

Fall 2022 Sustainability Scholars Program Internship Opportunity

The UBC Sustainability Hub 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 September 18, 2022.

Project title: Research to inform the development of a shared micromobility program for the Township of Langley

Project Background & Overview:

The Township of Langley is committed to reducing greenhouse gas emissions by 45% by 2030, and 100% by 2050. In order to meet these goals, our Climate Action Strategy (CAS) consists of five Big Moves which represent more specific targets to focus our efforts and resources. Big Move 1, Safe and Sustainable Transportation, aims to have more than half of current passenger vehicle trips made by sustainable modes of transportation (active mobility, transit, EVs) by 2030.

In alignment with that goal, the Township needs to see a significant increase in alternative transportation including micromobility over the next 8 to 10 years. Currently 88% of trips in the Township are made by personal vehicle. The implementation of a shared micromobility program will provide more options for alternative transportation within the Township and help to reduce the number of trips made by personal vehicles.

Transportation and Mobility action TM-06 in the CAS is to design and implement a shared bike/e-bike pilot. The study proposed in this application would directly support the completion of this action.

Project description

The purpose of this project is to undertake a feasibility study that will help Township staff determine the parameters of a future shared micromobility pilot program that may include bicycles, e-bicycles, and/or e-scooters. The study may include, but is not limited to, identifying preferred mode(s), station locations, road and path permissions, required policy changes and/or bylaw restrictions for the purposes of a pilot program. The study will be based on research from other jurisdiction and available data in the Township. The intent of the study is to inform the implementation of a successful pilot program that is embraced by Township residents and visitors.

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Once the study is complete, it is expected that Township staff, with the endorsement of Mayor and Council, will begin engaging potential services providers and working with stakeholders to enact a shared micromobility pilot within the 2- to 5-year timeframe stated in the Climate Action Strategy (adopted in January 2021). The intent of a shared micromobility program is to reduce the number of vehicle trips in the Township and the success of the program will be evaluated against that metric and other co-benefits of reduced vehicle travel, including associated GHG emissions.

We are seeking a Sustainability Scholar to:

- Determine how a shared micromobility program could reduce the overall number of vehicle trips taken in the Township,
- Determine the preferred mode for the shared program, and
- Make recommendations in support of scoping and developing a future pilot micromobility program.

Project scope

1. Scan of similar programs underway or planned in other jurisdictions and related changes to bylaws, ridership, lessons learned etc.
2. Research existing and potential service providers
3. Time permitting and based on the skills and interest of the Scholar: Using available trip data and ridership data from comparable programs, model potential usage/uptake in key areas of the Township and estimate reduction in vehicle trips and GHGs associated with different pilot scenarios
4. Develop a proposed scope of work for a pilot program and determine next steps for implementation

Deliverables

- A final report containing a summary of the work completed and a list of recommendations on next steps for the implementation of a pilot program
- A final report for the online public-facing [Scholars Project Library](#).
- A presentation to staff on findings and recommendations

Time Commitment

- This project will take 250 hours to complete.
- This project must be completed between October 17, 2022 and March 15, 2023
- The scholar is to complete hours between 8:30 am and 4:30 pm, Monday to Friday, approximately 10 to 12 hours per week.

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Required/preferred Skills and Background

- Excellent research and writing skills
- Demonstrated interest in sustainability
- Strong analytical skills
- Ability to work independently
- Deadline oriented
- Comfortable interacting with strangers to conduct public/in person surveys
- Familiarity preparing feasibility studies, an asset
- Research experience or interest in sustainable transportation and micromobility an asset

Applications close **midnight Sunday September 18, 2022**

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

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

Useful Resources

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>

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