

SUSTAINABILITY SCHOLARS PROGRAM

Summer 2020

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 February 2, 2020.**

Research project title: Informing a roadmap for benchmarking energy and emissions associated with Complex Buildings in the CRD

Sustainability Goal or Operations Plan objective

Benchmark the energy and emission associated with Complex buildings (part 3 of the BC Building Code; four storeys and taller and greater than 600 square metres in building area or “footprint”) in the Capital Regional District (CRD).

Project description

In December 2018, the BC Clean BC Plan established a provincial goal of 50% emissions reductions from buildings by 2030. Benchmarking is a tool many jurisdictions have used to understand the relative impact of individual large buildings and enable other policy solutions. In BC’s Lower Mainland several municipalities are working with [OPEN Technologies](#) on benchmarking. In the Capital Regional District (CRD), municipalities in the urban core (City of Victoria and the District of Saanich) have begun working on benchmarking of Complex buildings through the [BOMA District 2030](#) project. However, it is unclear if these, or other, approaches are applicable to the CRD in its entirety (13 municipalities and 3 electoral districts). This project will provide the research and analysis to answer that question and, in doing so, provide the basis for a CRD building benchmarking roadmap.

Scope of Work:

- Jurisdictional scan/best practices review of benchmarking methodologies with particular attention to the research/reports/projects involving benchmarking in BC.
- Acquiring and analyzing data from property management firms to quantify the opportunity to benchmark Complex buildings (part 3 of the BC Building Code) in the CRD’s 13 municipalities and 3 electoral districts. Analysis will result in the number of complex buildings in each municipality and include floor area, building use, number of stories, and construction date.
- Time permitting, interview stakeholders involved in the Vancouver Island BOMA District 2030 project, and the OPEN Technologies project to determine the generalizability of the projects to the CRD.
- Analyze the benefits of, and barriers to, the various option/program/policy directions for the Capital Regional District to benchmark the energy and emission associated with part 3 complex buildings.

Deliverables

- A summary that includes the number of complex buildings in the CRD by municipality and electoral district.
- A summary of options to achieve complex building benchmarking in the CRD.
- A final report, including an executive summary, that details the findings and provides analysis of options available to benchmark building in the CRD
- A public facing final report (or executive summary) for the online Scholars Project Library

Time Commitment

- This project will take 250 hours to complete.
- This project must be completed between May 4 and August 14, 2020
- The Scholar is to complete hours between 8:30am and 4:30pm, approximately 18 hours per week.
- The project can be completed remotely; however, the scholar may need to come to Victoria for face-to-face meetings, and would be reimbursed for travel/accommodation/per diem costs.

Required/preferred Skills and Background

- Excellent research and writing skills
- Demonstrated interest in sustainability
- Strong analytical skills
- Ability to work independently
- Familiarity with benchmarking methods and tools
- Comfortable interacting with strangers to conduct public/in person surveys or interviews
- Background or experience in building science an asset

Applications close **midnight Sunday February 2, 2020.**

Apply here: <http://sustain.ubc.ca/scholarsapply>

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>

The Centre for Student Involvement & Careers will host a resume & cover letter webinar tailored for graduate students on Tuesday, January 21, 2020 from 12:00-1:30. Registration will open approximately two weeks before the webinar, and can be accessed at Careers Online.

