

## 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.**

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### Research project title

Assessing program options for air sealing & weatherization in electrically heated homes in BC

### Project description

The purpose of the project is to determine a path forward to support more extensive air sealing and weatherization in existing single-family homes. This could provide another lever to support electricity efficiency, occupant comfort and grid efficiencies. However, this is a complicated area, with air quality, home safety, and a variety of other considerations. Additionally, energy savings are more complicated to quantify. Finally, programs must meet cost effectiveness hurdles.

Specific areas to cover are:

- Weatherization and air sealing options and estimated electricity consumption and demand reductions
- Program design options
- Risks & barriers related to air sealing & weatherization
- Benefits and cost effectiveness

Tasks will include:

- Conduct primary and secondary research into existing programs in other jurisdictions weatherization and air sealing
- Compare similarities and differences in market conditions of these jurisdictions compared to British Columbia
- Compare costs and program results
- Interview various BC-based experts in this field to obtain feedback and insights into possible methods to support air sealing and weatherization
- Identify risks and barriers for various program designs

### Deliverables

# SUSTAINABILITY SCHOLARS PROGRAM

- A final written report containing a summary of work completed, and a final presentation to BC Hydro staff
- A final report or executive summary for the online Scholars Program Library

## Time Commitment

- This project will take **250** hours to complete.  
This project must be completed between **May 3 and August 13.**
- The scholar must be available to attend meetings by phone or by zoom during standard business hours Monday to Friday, 9 am to 5 pm

## Required/preferred Skills and Background

- Excellent research and writing skills
- Excellent public speaking and presentation skills
- Strong analytical skills
- Ability to work independently
- Deadline oriented
- Project management and organizational skills
- Comfortable interacting with strangers to conduct public/in person surveys
- Familiarity preparing feasibility studies
- Experience with financial modelling and analysis
- Familiarity with building energy efficiency, building energy management, home construction an asset
- Familiarity with program design (e.g., energy efficiency programs, social services programs, economic development programs, etc.) or program design best practices, an asset
- Candidate should have excellent written and speaking skills, an analytical mind and intellectual curiosity to dig further into asking why.

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

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

Contact Karen Taylor at [sustainability.scholars@ubc.ca](mailto: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.](#)

# SUSTAINABILITY SCHOLARS PROGRAM

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>