

**UBC SUSTAINABILITY SCHOLARS PROGRAM**  
**UBC LED Lighting Retrofit Plan**

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**Research project title**

LED Lighting Retrofit Plan (UBC Vancouver Campus)

**Goal or Operations Plan objective**

The goal of this project is to develop a LED retrofit plan that will be implemented in March 2019

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

- Assist in developing the LED lighting retrofit plan for implementation in spring 2019. The bulk of the work over the summer of 2018 is project planning.
- Research, obtain, and test new lighting solutions for a sample of buildings across campus.
- Conduct building lighting audits.
- Develop a project management plan for execution of lighting retrofits including project schedule, number of lamps to be retrofitted at each building and rough project costing.

**Deliverables**

- A final report, containing a summary of completed work with recommendations, complemented by a final presentation to key stakeholders.
- The final report will include a summary of feasible LED retrofit solutions UBC should pursue in the short term. It will also include an actionable project management plan for retrofitting a number of interior lamps across campus as per the scope of project above.
- 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, 2018** and **August 10, 2018**
- The scholar is to complete hours between 9am and 5pm, Monday to Friday, approximately **16** hours per week or approximately two full days in the office.

**Skill set/background required/preferred**

- ☒ Excellent research and writing skills.
- ☒ Strong analytical skills
- ☒ Ability to work independently
- ☒ Demonstrated time management skills
- ☒ Deadline oriented
- ☒ Project management and organizational skills
- ☒ Comfortable interacting with strangers to conduct public/in person surveys
- ☒ Strong technical writing skills
- ☒ Familiarity with conducting audits
- ☒ Familiarity with the core principles of project planning and project management
- ☒ Any experience with lighting systems or electrical engineering an asset
- ☒ Self-starter, with a personality who is not afraid to talk to people with a can-do attitude.
- ☒ The Scholar must be physically able to walk through buildings across campus

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