



Invitation to submit ideas for Clean Energy student projects

Introduction

UBC's Clean Energy Research Centre (CERC) initiated an innovative new Masters of Engineering (M.Eng.) program in September, 2009. Approximately 25 new students are admitted every September. This is a professional degree where students with a B.Sc. in engineering complete graduate training in alternative energy, energy conservation, environment, economics, policy and related concepts in the application of sustainable energy systems (www.cerc.ubc.ca/prospective_students/cleanenergy.php). Students are required to complete 6 credits (generally over 4 months of time) of a graduate-level project course listed as CEEN 596. CERC welcomes proponents to submit **real-world problems** for consideration and to serve as a Project Sponsor for a student project.

What is required?

- Project idea involving sustainable energy systems (technology and/or policy perspective).
- Assistance in defining project objectives.
- Support in provision of data, information, and/or access to professional experts.
- Project sponsor attendance at student's presentation is encouraged.
- Employment of students is always welcome, but not necessary.

How are projects chosen?

Students choose using the CEEN 596 course guidelines and subject to approval of CERC faculty.

Timing?

During February to March each year, students are required to select their topic and write a proposal. However, students are free to change their topic anytime, at latest up to 3 months before their report is due. Students formally complete their CEEN 596 course during one of three terms: Summer (May-August), Winter Term 1 (September-December), or Winter Term 2 (January-April). New ideas for projects are welcome any time of the year.

What are the deliverables?

Students complete the project work under the supervision of a CERC faculty member. The initial deliverables are a written proposal and oral presentation. The final deliverables are a written report and oral presentation. The project is typically completed in a 4 month timeframe.

Confidentiality?

Students share their work with UBC faculty and student colleagues in written form and via oral presentations. Reports are only posted on the CEEN 596 non-public, password-protected course web site for viewing by other students (upon request, this will not be done). If there are additional confidentiality procedures that you want to see followed, please request what you would like.

What are the benefits to participating?

Project Sponsors receive a professional analysis by an advanced-trained engineering student working under the direction of CERC faculty. Students benefit by gaining experience on real world problems. Many students in this program will do co-op or other work terms in related fields, possibly with salary support through a BC Hydro Power Smart Salary Subsidy (www.coop.apsc.ubc.ca). Sponsoring a CEEN project is a good way for potential employers to connect with excellent students.

How do I submit an idea to (potentially) become a Project Sponsor?

Draft just one to two sentences on your project idea and what data, information, and/or expertise might be available to a student. If you would like the opportunity to present your idea directly to students, that can be arranged. Email or call with your project idea to:

emazzi@interchange.ubc.ca

Eric Mazzi, P.Eng., PhD, Power Smart[®] Instructor
UBC Clean Energy Research Centre
(604) 827-4341