FUTURE ENERGY SYSTEMS: AN ASSESSMENT OF BIOPHYSICAL IMPACTS AND MEASURES OF RECLAMATION SUCCESS

Position: Researcher

Term: April 2018 to December 2018 (could start sooner)

Location: Department of Renewable Resources, University of Alberta, Edmonton, Alberta

Supervisor: Dr. M Anne Naeth, Land Reclamation and Restoration Ecology

Research Project:
The successful candidate will work to document the current state of knowledge of the biophysical impacts of energy systems in Alberta, Canada and globally on land, water and air and the effectiveness of current and proposed policy and guidelines to successfully reclaim these resources following disturbance. This includes an assessment of indicators of reclamation success from regulatory and ecological perspectives. Current, legacy and future energy systems are within the scope of this project. Knowledge gaps will be identified and new research directions proposed. This project will provide a foundation for development of further research in the Future Energy Systems' Resilient Reclaimed Land and Water Systems theme.

Qualifications:

- Holds an MSc or PhD degree in land reclamation or environmental, soil science, plant science or equivalent field of study. Those with a PhD may apply as a post doctoral fellow.
- Familiarity with energy resources and potential impacts on land, water and air.
- Familiarity with environmental and reclamation regulatory framework.
- Resourceful and able to effectively problem solve.
- Adapts to changing priorities and schedules.
- Works independently, but able to take direction from team.
- Competent writer and able to organize references and data with appropriate databases.
- Enjoys working in a dynamic team environment.

Compensation: Salary commensurate with qualifications.

Apply: Send a letter of interest, including how you meet qualifications, current CV and contacts for three references to sarah.wilkinson@ualberta.ca, Co-Coordinator, Future Energy Systems, Resilient Reclaimed Land and Water Systems theme.