

## Post-doctoral Fellow Opportunity in Sustainable Energy Policy

The [Faculty of Environment](#) at the [University of Waterloo](#) is seeking a post-doctoral fellow (PDF) in the area of [Sustainable Energy Policy](#). The position will commence on 1 October 2013, or as soon as possible after that time, and continue until 30 April 2015 (up to 19 months). The salary will be \$40,500 annually.

The PDF will join the [Energy Hub Management System project \(EHMS\)](#), playing a leadership role in analyzing data collected during the five years of the project to date and responding to research questions as they arise in this ongoing project. The particular focus of the PDF's work will be upon advancing understanding of: the ways in which energy managers (householders and businesspeople) use electricity services within broader social contexts; the factors that influence decision making; and the most appropriate strategies for advancing energy sustainability within complex social settings.

The PDF will join an interdisciplinary, multi-institutional team that is implementing the EHMS. While the PDF will work within the Faculty of Environment (supervised by faculty members there, with opportunities to interact with Environment graduate students completing theses on the project), s/he will also meet regularly with other EHMS team members (particularly those in the Faculty of Engineering), sharing insights and occasionally troubleshooting to advance complementary research agendas.

The PDF will:

- Within her/his first month, develop a plan to: a) use EHMS data to advance the research agenda in sustainable energy policy (particularly with respect to smart grid deployment); and b) propose refinements to ongoing EHMS data collection so as to maximize research opportunities.
- During her/his subsequent months, clean, analyse, interpret and discuss data through the development of original academic journal articles (in collaboration with [Prof. Ian Rowlands](#) and [Prof. Paul Parker](#)).
- Throughout her/his fellowship, be in regular contact (formal and informal) with other EHMS team members; and respond to requests (e.g., new areas of research investigation, developing and implementing social engagement strategies, troubleshooting data collection problems, etc.).
- Participate in the regular events of the Sustainable Energy Policy group in the Faculty of Environment.

The Faculty of Environment will:

- Provide the PDF with mentorship, directly from Profs. Rowlands and Parker and indirectly from other EHMS team members.
- Provide a stimulating research environment – collaborative, interdisciplinary and working to apply advanced research techniques to address contemporary challenges and opportunities in sustainable energy policy.
- Provide a workspace that facilitates advanced research achievement.

Position requirements:

- We are looking for an individual who is a recent (past three years) PhD graduate in some aspect of sustainable energy policy and who also has additional evidence of research abilities in the area of sustainable energy policy; knowledge of Ontario's smart grid policy landscape would be a benefit. Outstanding communication (written and verbal), numeracy and data management

skills are also required. Finally, successful experiences of taking initiatives in a collaborative research environment are critical.

Application process:

- Those interested in the position are requested to submit a cover letter, a CV/resume and a 150-word statement of a proposed research investigation that could use disaggregated (by end-use), fine-resolution (every 15 minutes) electricity consumption data from 20 households. These materials should be sent electronically to Prof. Ian Rowlands at [irowlands@uwaterloo.ca](mailto:irowlands@uwaterloo.ca); specific questions about the PDF may also be directed to Prof. Rowlands at this email address. Review of applications will begin on 6 September 2013 and will continue until the position is filled.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Waterloo encourages applications from all qualified individuals, including women, members of visible minorities, native peoples, and persons with disabilities.

While we appreciate all applications, only those with whom we wish to discuss the position further will be contacted.

The Faculty of Environment at the University of Waterloo is a world leader in interdisciplinary research and teaching on the environment and sustainability. The Faculty is the home of five academic units: Centre for Knowledge Integration, Department on Environment and Resource Studies, Department of Geography and Environmental Management, School of Environment, Enterprise and Development and the School of Planning. The Faculty is a dynamic and vibrant academic environment with 70 faculty members, 45 staff, 2 000 undergraduate students and 500 graduate students. The Faculty is innovative in its teaching and cutting edge in its research. For more information about the Faculty, please visit <http://www.environment.uwaterloo.ca>

In just half a century, the University of Waterloo, located at the heart of Canada's technology hub, has become one of Canada's leading comprehensive universities with 35,000 full- and part-time students in undergraduate and graduate programs. Waterloo, as home to the world's largest post-secondary co-operative education program, embraces its connections to the world and encourages enterprising partnerships in learning, research and discovery. In the next decade, the university is committed to building a better future for Canada and the world by championing innovation and collaboration to create solutions relevant to the needs of today and tomorrow. For more information about University of Waterloo, please visit <http://www.uwaterloo.ca>