

POSTDOCTORAL FELLOW POSITION

Environmental Sustainability Research Centre and Department of Economics, Brock University

CANADIAN WATER ECONOMICS PROJECT

We are pleased to announce a postdoctoral fellowship opportunity for an individual with expertise in environmental economics. This is a 18 month fellowship opportunity beginning March 1, 2013.

The postdoctoral fellow will be associated with the [Department of Economics](#) and the [Environmental Sustainability Research Centre](#) at Brock University as well as the newly established [Water Economics, Policy and Governance Network](#).

Project Overview

The Canadian Water Economics project spans a number of areas. Included in the planned fields of research are the following:

Non-market Valuation. Analysis of non-market valuation of water-related health risks that combine respondent-elicited health risk perceptions with either choice experiment or contingent valuation WTP questions. Test-retest analysis of non-market valuation questions relating to cancer and microbial risk reductions.

Municipal Water Pricing. Application of efficient non-linear municipal water pricing models that account for scale and scope economies in utility costs, uncertain and heterogeneous residential and non-residential water demands and uncertain raw water availability. Estimate water demand and supply cost parameters to investigate welfare impacts of pricing reforms.

Public Health Costs of Water Quality Changes. Investigate statistically the linkages between observed extreme weather events, observations of water quality and incidences of water-borne diseases. Based on these linkages, assess the potential costs of climate change-induced water quality alterations on local public health

Water Supply Costs and Water Quality. Collect data on the costs of water quality protection via drinking water treatment operations for the purpose of evaluating the implications of wildfires on downstream water quality. Combine these data with historical expenditures relating to fire mitigation strategies and expected expenditures for future mitigation strategies.

Required Education and Experience

- A PhD in Economics or Agricultural Economics from a recognized University with a specialization in Environmental Economics
- Demonstrated experience in applied micro-econometrics including: non-market valuation, public sector pricing, and demand estimation
- Understanding of Canadian water resources and environmental issues
- Demonstrated experience in econometric research
- Demonstrated experience in the dissemination of research findings
- Experience in writing research grants

Supervision: The fellow will be jointly supervised by Professors [Diane Dupont](#) (Economics, Brock University) and [Steven Renzetti](#) (Economics, Brock University).

Funding: The rate of funding will be at least equivalent to that provided by [SSHRC/NSERC for Post-Doctoral Research Fellows](#). Support for research activities will also be provided. The appointment is for 18 months, subject to satisfactory performance appraisals

Application: Applicants are requested to submit a sample of research, curriculum vita along with covering letter, and contact information for three references to Dr. Steven Renzetti at the following address:

Professor Steven Renzetti
Department of Economics
Brock University
St Catharines, ON
CANADA L2S 3A1

Interviews will begin January 15, 2013. Applications will be accepted until the position is filled.