

**CAC Manitoba: Exhibit CAC# 33-1**  
**NFAT Review**

Document
Revised <i>Curriculum Vitae</i> : Kyrke Gaudreau
<i>Curriculum Vitae</i> : Dr. Jill A.E. Gunn

# Kyrke Gaudreau

B.Eng., MES, PhD

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## Summary of Qualifications

- Comprehensive and integrated knowledge of sustainability theory and practice developed through research and consulting experience and advanced degrees in Environmental Studies.
- Experienced communication skills in a wide variety of media, including technical report writing, academic and popular science articles, professional presentations, and audio and video interviewing.
- Strong team player with substantial teamwork experience who encourages collaboration and information exchange to innovate for sustainability. Able to work constructively with students, administration, faculty and operations to develop positive synergy.
- Sound judgment and excellent interpersonal communication skills in English with advanced ability in French.
- Lifelong learner with a passion for sustainability in higher education institutions.

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## Current Employment

### Sustainability Manager

October 2013 – Present

University of Northern British Columbia

- Contribute to broader University strategy and policy related to sustainability.
- Provide expertise to, and promote constructive partnerships between, faculty, staff, administration and students.
- Help organize sustainability related activities and initiatives on campus.

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## Education

### Doctorate of Social and Ecological Sustainability

2009-2013

University of Waterloo, Ontario, Canada

- Awards - NSERC Post Graduate Scholar and FQRNT (Quebec) Doctoral Scholar.
- Research focus - Sustainability assessment of energy systems.

### Masters of Environment and Resource Studies

2007-2009

University of Waterloo, Ontario, Canada

- Awards - NSERC Canada Graduate Scholar and AUCC Students for Development Scholar
- Research focus - Energy and environmental accounting

### Bachelor of Civil Engineering, Minor in Environmental Engineering

2003-2007

McGill University, Quebec, Canada

- Grades and Awards - CGPA 3.97/4.0 and British Association Medal for highest graduating CGPA in Civil Engineering (2007)

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## Sustainability Assessment Consulting

### Sustainability Assessment of the Manitoba Power System Plan

2013 – Present

Consultant for the Consumers Association of Canada – Manitoba Branch

- Developed and applied a sustainability assessment framework for application by the Public Utilities Board of Manitoba related to Manitoba Hydro's 'Need For and Alternatives To' submission.
- Prepared sustainability based Information Requests on behalf of CAC Manitoba that were submitted to the decision-making Panel.

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## **Environmental Impact Assessment of Keeyask Hydro Dam**

May-December 2013

Consultant for the Manitoba Public Interest Law Centre

- Developed a sustainability assessment framework for application by the Clean Environment Commission of Manitoba
- Prepared sustainability based Information Requests on behalf of MPILC that were submitted to the decision-making Panel.

## **Environmental Impact Assessment of nuclear waste storage**

2012-2013

Consultant for the Canadian Environmental Law Association (CELA).

- Assessed the cumulative effects and socioeconomic impacts of Ontario Power Generation's proposed Deep Geological Repository for low and intermediate nuclear waste proposed for Kincardine, Ontario.
- Prepared Information Requests on behalf of CELA that were submitted to the decision-making Panel.

## **Sustainability assessment of Brazilian sugarcane-ethanol**

2011-2013

Research consultant for the School of Public Health at the University of São Paulo.

- Developed and applied a sustainability assessment to assess the environmental and socio-economic impacts of sugarcane-ethanol production in São Paulo state, Brazil.
- Wrote technical research articles to disseminate the results of the project.

## **Sustainability assessment of Senegal's energy and agricultural systems**

2011-2013

Researcher for Resource Efficient Agricultural Production (R.E.A.P.) Canada

- Developed and applied a sustainability assessment to assess the environmental and socio-economic impacts of burning agricultural residues for cooking applications in Senegal.
- Wrote technical research articles to disseminate the results of the project.

## **Sustainability Assessment of Ontario Power System Plan**

2008

Consultant for the Green Energy Coalition of Ontario

- Assessed the sustainability of Ontario's Integrated Power Systems Plan, particularly to regards to agriculture and bioenergy.
- Contributed to the writing of a report and journal article relating to the assessment, both of which helped inform the hearings held by the Ontario Energy Board.

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## **Other Sustainability Related Work Experience**

### **Supervisor – ERS Honours Thesis**

2011-2013

Environment and Resource Studies – University of Waterloo

- Supervising nine undergraduate students for their 4<sup>th</sup> year honours theses. Providing guidance for a broad variety of topics, including sustainability in higher education, energy strategy, composting, youth mobilization through social media, dispute resolution, and sustainable agriculture.

### **Course Instructor – ERS 270 Introduction to Sustainable Agriculture**

Winter 2012

Environment and Resource Studies – University of Waterloo

- Taught basic theory and practice of sustainable agriculture.
- Designed lecture and examination material and oversaw general course structure.

### **Course Instructor – Introduction to Sustainability Assessment**

November 2012

School of Public Health, University of São Paulo, São Paulo, Brazil

- In collaboration with Dr. Jenny Pope, Director of Integral Sustainability Australia, designed and taught a short course on sustainability assessment practice.

### **Research Consultant - Energy Hub Management Systems**

2009-2010

University of Waterloo and Hydro One

- Worked in a team environment to develop and implement dynamic energy management systems in residential, commercial, industrial and agricultural settings.
- Determined the impacts of time-of-use electricity rates and other demand-management programs on the agriculture sector of Ontario.

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## **Biomass stove builder**

Summer 2011

Intern with Resource Efficient Agricultural Production (REAP) Canada

- Assessed the potential for sustainable agriculture and energy production in Senegal.
- Designed and disseminated biomass gasifier stoves as part of REAP Canada's mandate in Senegal.

## **Researcher - Energy Policy in Ontario**

Fall 2007

Environment and Resource Studies – University of Waterloo

- Developed an annotated bibliography relating to sustainable energy policy in Ontario and Canada.

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## **Selected University Administrative Experience**

### **Co-chair - Environment Teaching and Learning Committee**

2012-2013

Faculty of Environment, University of Waterloo

- Part of a faculty wide committee to promote teaching excellence and explore the role of technology in the classroom. Attend monthly meetings to ensure the Teaching Fellow is successful in her role.
- Organized graduate student Town Halls in March 2013 to elicit feedback from graduate students.

### **Website manager – Sustainability Projects**

2012-2013

Environment and Resource Studies, University of Waterloo

- Maintained three sustainability-oriented websites for Prof. Robert Gibson: Sustainability Assessment Project, Biosphere Sustainability Project, the Assessment and Planning Project.
- Developed content using both Wordpress and Drupal content management systems.

### **Member – ERS Curriculum Committee**

2011-2012

Environment and Resource Studies, University of Waterloo

- Part of a team that proposed and designed a new sustainability masters program in ERS. The proposal was successful and the first cohort of students will begin September 2013.

### **Graduate student representative**

2011-2012

Environment and Resource Studies, University of Waterloo

- Attended departmental meetings to represent the interests of graduate students.
- Served on a variety of sub-committees relating to developed new degree programs and websites.

### **Front Counter advisor – McGill Engineering Student Services**

2005-2006

Faculty of Engineering, McGill University

- Provided advice to students to help them succeed in their engineering studies.
- Performed basic clerical duties such as filing and responding to phone calls and emails.

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## **Community Service**

### **Editor - Alternatives Journal**

2012 - Present

Alternatives Journal, Kitchener, Ontario

- Attended editorial board meetings and helped provide guidance for upcoming journal issue themes.
- Provided expert guidance relating to energy and other sustainability challenges and opportunities.

### **Member – Kitchener Safe and Healthy Communities Advisory Committee**

2013

City of Kitchener, Ontario

- Advises council and staff on policies, programs and services offered directly by or in conjunction with the city that relate to the health of the city with a focus on community safety and crime prevention.

### **Urban Farmer**

Summer 2012

The Kitchener Working Centre Garden, Kitchener, Ontario

- Volunteered one day a week to perform general farming duties at a two-acre market garden.

### **Bicycle Mechanic**

2008 - 2013

Waterloo University Bicycle Centre, University of Waterloo

- Introduced cyclists to the basics of bike mechanics and provided professional advice on how to fix and maintain their bicycles.
- Rebuilt bicycles for to be sold at an auction.

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## Publications

### Peer Reviewed Journal Articles

- Duarte, C. G., K. Gaudreau, et al. (2013). "Sustainability assessment of sugarcane-ethanol production in Brazil: A case study of a sugarcane mill in São Paulo state." *Ecological Indicators* 30(0): 119-129.
- Gaudreau, K., R. Fraser, et al. (2009). "The Tenuous Use of Exergy as a Measure of Resource Value or Waste Impact." *Sustainability* 1(4): 1444-1463.
- Gaudreau, K. and R. B. Gibson (2010). "Illustrating integrated sustainability and resilience based assessments: a small-scale biodiesel project in Barbados." *Impact Assessment and Project Appraisal* 28(3). Voted best paper of 2010 for Impact Assessment and Project Appraisal
- Gaudreau, K., et al. (2012). "The Characteristics of the Exergy Reference Environment and Its Implications for Sustainability-Based Decision-Making." *Energies* 5(7): 2197-2213.
- Winfield, M., R. B. Gibson, Markvart, T., Gaudreau, K. Taylor, J. (2010). "Implications of sustainability assessment for electricity system design: The case of the Ontario Power Authority's integrated power system plan." *Energy Policy* 38(8): 4115-4126.

### Popular Science Articles

- Gaudreau, K. (2009). "Biofuel Basics." *Alternatives* 35(2): 14-19.
- Gaudreau, K. (2009). "Mending our Fuelish Ways." *Alternatives* 36(1): 5.
- Herod, M. and K. Gaudreau (2012). "Recipe to Prevent Crime: Grow Local Ingredients." *American Community Garden Association: Community Greening Review* 17: 1.
- Gaudreau, K. (2012). "Paul Ehrlich's Recipe for Recasting Humanity." *Alternatives* (online)
- Gaudreau, K. (2013). "Hope Grows on Trees." *Alternatives* 39(2): 3.
- Gaudreau, K. (2013). "The Grapes of Math – Using advanced science to produce wine in the desert." *Alternatives* 39(4): 3.
- Gaudreau, K. (2013). "The Endocrine Game." *Alternatives* 39(5): 12.

### Conference Papers

- Duarte, C. G., et al. (2011). Sustainability assessment of sugarcane ethanol: briefing from a case study of a Brazilian mill. *Proceedings IAIA11*, Puebla, Mexico.
- Gaudreau, K., et al. (2010). Exergy and Sustainability in a Complex World. *Sixth Biennial Exergy Research Conference*. Gainesville, Florida, University of Florida: 15.
- Gaudreau, K., et al. (2010). Resource Accounting and Waste Impact: Limitations of Exergy as a Sustainability Tool. *ASME 2010 - 4th International Conference on Exergy and Sustainability*. S. Stewart. Phoenix, Arizona, ASME.
- Gaudreau, K., et al. (2010). Integrated sustainability and systems assessment applied to small-scale biodiesel in Barbados. *Advances in Exergy Studies* M. Giampietro. University of Barcelona, Barcelona, Spain: 10.
- Gaudreau, K., et al., Agricultural residues for bioenergy in Senegal. *Proceedings IAIA12*, 2012a Porto, Portugal.
- Gaudreau, K., et al., A new framework for assessing energy systems. *Proceedings IAIA12*, 2012b Porto, Portugal.

### Book Reviews

- Gaudreau, K. (2009). "It's SOHO Sustainable - A review of The Ecosystem Approach: Complexity, Uncertainty and Managing for Sustainability." *Alternatives* 35(3): 28.
- Gaudreau, K. (2010). "Bursting Bubbles - A review of Beyond the Bubble; Imagining a new Canadian economy." *Alternatives* 36(3).
- Gaudreau, K. (2010). "Fuel's Fool - A review of The Biofuel Delusion: The Fallacy of Large Scale Agro-Biofuels Production." *Alternatives* 36(6): 42-43.
- Gaudreau, K. (2011). "Squabbling Munks - A Review of The Munk Debates - Volume 1." *Alternatives* 37(3).
- Gaudreau, K. (2012). "Power over Perception: A review of 'EcoMind: Changing the way we think to create the world we want.'" *Alternatives* 38(5).
- Gaudreau, K. (2012). "The Enviro-Industrialist - A review of Industrial Evolution: Local Solutions for a Low Carbon Future." *Alternatives* 38(3): 2.

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## Selected Public Speaking

### Formal Interviews

- Alternatives Journal: The Energy of Slaves – An Interview with Andrew Nikiforuk. September 2012. <http://www.alternativesjournal.ca/community/blogs/aj-editorial-board/interview-energy-slaves>

### Conference presentations

- 2012 International Association for Impact Assessment – May 27 – June 1, Porto, Portugal. Presentation title: “The combustion of agricultural residues for cooking applications in Senegal.”
- 2012 International Association for Impact Assessment – May 27 – June 1, Porto, Portugal. Presentation title: “The relationship between energy, technology and society – Towards and appropriate technology framework for impact assessment.”
- Advances in Energy Studies 2010 - October 19-21, Barcelona, Spain. Presentation title: “Integrated sustainability and systems assessment applied to small-scale biodiesel in Barbados”
- ASME 2010 - 4th International Conference on Energy and Sustainability - May 17-22, Phoenix, Arizona, U.S. Presentation title: “Resource Accounting and Waste Impact: Limitations of Exergy as a Sustainability Tool”

### Invited Lectures

- **MAN 100** – Guest Lecture: Sustainable Business – Opportunities for small entrepreneurs, College of New Caledonia, British Columbia, April 2014
- **ENVS 306** – Guest Lecture: Missing the Point – Reflections on the role of academia in a changing world, University of Northern British Columbia, British Columbia, February 2014
- **NRESI Lecture Series** – A Burning Question – The sustainability of burning agricultural residues for cookstoves in Senegal. University of Northern British Columbia, British Columbia, January 2014
- **ENVS 335** – Guest Lecture: Technology and The Good Life, University of Northern British Columbia, British Columbia, January 2014
- **ENV Speaker Series** – Where the Research Ends: A debate on the role of academia in a changing world. Presented with Prof. Robert B. Gibson. University of Waterloo, Ontario, October 2012
- **PLAN 474** – Guest lecture: The Soft Energy Path and Renewable Urban Energy Production, University of Waterloo, June 2012
- **ERS 701** – Guest lecture: Sustainability in Complex Systems, University of Waterloo, November 2011
- **ENV 311** – Guest lecture: Applying Systems Thinking to the Combustion of Agricultural Residues in Senegal. University of Waterloo, November 2011
- **WUSC National Research Forum** – Invited lecture: Sustainability and Innovation in Senegal. World University Service of Canada, Ottawa, Ontario, November 2011
- **ENV Speaker Series** – Sustainability Assessment of Agricultural Residues in Senegal. University of Waterloo, Ontario, October 2011
- **Grade 9 Class** – Invited lecture on organic agriculture. Place Cartier Adult Education Centre, Beaconsfield, Quebec, November 2010
- **ENV Speaker Series** – Sustainable biodiesel production in Barbados, University of Waterloo, January 2009

## Dr. Jill A.E. Gunn, Ph.D., M.C.I.P., R.P.P.

### Curriculum Vitae

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Assistant Professor  
Department of Geography and Planning, and  
School of Environment and Sustainability  
University of Saskatchewan

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#### *Academic Credentials*

- 2009 Doctor of Philosophy (Environmental Assessment)  
University of Saskatchewan
- 2000 Master of Science (Natural Resources Management)  
University of Northern British Columbia
- 1996 Bachelor of Arts (Honours) (Regional and Urban Development)  
University of Saskatchewan

#### *Professional Credentials*

Full Member (M.C.I.P), Canadian Institute of Planners  
Registered Professional Planner (R.P.P.), Planning Standards Board of Canada

#### *Honours, Medals, Fellowships, Prizes*

International Downtown Association Downtown Achievement Award in Planning,  
“Public Spaces, Activity and Urban Form Report.” Washington, District of Columbia,  
United States of America. August, 2012.

Canadian Institute of Planners Award for New and Emerging Planning Initiatives,  
“Public Spaces, Activity and Urban Form Report.” Banff, Alberta, Canada. October,  
2012.

Saskatchewan Premier’s Award for Excellence in Design, “Public Spaces, Activity and  
Urban Form Report.” Saskatoon, Saskatchewan, Canada. November, 2011.

Sustainable Community Award: Innovative Citizen Engagement for the Pleasant Hill Local Area Plan. Federation of Canadian Municipalities. Ottawa, Canada. 2005.

### ***Publications***

#### *Books and Monographs*

- Hackett, P., Noble, B., and **Gunn, J.** 2013. Human Geography Lab Manual, 2<sup>nd</sup> ed. Oxford University Press, UK.
- Hackett, P., Noble, B., and **Gunn, J.** 2011. Human Geography Lab Manual. Oxford University Press, UK.
- Gunn, J.** 2010. Integrating Strategic Environmental Assessment and Cumulative Effects Assessment in Canada. Saskatoon: University of Saskatchewan, 187 pp. (Ph.D. Thesis)
- Harriman, J.** 2000. Toward a Conceptual Framework for Integrated Resource Management on Electric Utility Transmission Rights-of-Way. Prince George: University of Northern British Columbia, 312 pp. (M.A. Thesis)

#### *Book Chapters and Vignettes*

- Gunn, J.** 2013. "Adapting Strategic CEA to the Needs of Institutional Partners." In D. Lawrence (ed.) *Environmental Impact Assessment: Practical Solutions to Recurrent Problems*, 2<sup>nd</sup> ed. Hoboken, USA: John Wiley & Sons, Inc.
- Noble, B. and **Gunn J.** 2010. "Regional strategic environmental assessment for integrated land management." *Horizons*, 10(4): 106-112.
- Noble, B. and **Harriman Gunn, J.** 2013. "Chapter 6: Strategic environmental assessment." In K. Hanna (ed.) *Environmental Impact Assessment: Practice and Participation*, 3<sup>rd</sup> ed. Don Mills, ON: Oxford University Press.
- Noble, B. and **Harriman Gunn, J.** 2009. "Chapter 6: Strategic environmental assessment." In K. Hanna (ed.) *Environmental Impact Assessment: Practice and Participation*, 2<sup>nd</sup> ed. Don Mills, ON: Oxford University Press.

#### *Refereed Journal Articles*

- Bond, A., J. Pope, A. Morrison-Saunders, F. Retief, and **J. Gunn.** 2014. "Impact assessment: A change in the wind?" *Environmental Impact Assessment Review*, in review.
- Bond, A., J. Pope, A. Morrison-Saunders, F. Retief, and **J. Gunn.** 2014. "Impact assessment: Eroding benefits through streamlining?" *Environmental Impact Assessment Review*, 45: 46-53.
- Retief, F., Bond, A., **Gunn, J.**, Pope, J., Morrison-Saunders, A. 2014. "International perspectives on the strengthening of impact assessment through integration and focus." *Impact Assessment and Project Appraisal*, in press.
- Morrison-Saunders, A., J. Pope, **J. Gunn**, A. Bond, and F. Retief. 2013. "Strengthening impact assessment: A call for integration and focus." *Impact Assessment and Project Appraisal*, in press.



- Olagunju, A. and **J. Gunn**. 2013. "What influences valued impact component selection for cumulative effects in impact assessment?" *Journal of Environmental Policy Assessment and Management*, 15(4): n.p.
- Chilima, J., **J. Gunn**, B. Noble, R. Patrick. 2012. "Institutional considerations in watershed cumulative effects assessment and management." *Impact Assessment and Project Appraisal*, 31(1): 74-84.
- Noble, B., **Gunn, J.** and Martin, J. 2012. "Survey of current methods and guidance for strategic environmental assessment". *Impact Assessment and Project Appraisal*, 30(3): 139-147.
- Gunn, J.** and B. Noble. 2011. "Conceptual and methodological challenges to integrating SEA and cumulative effects assessment." *Environmental Impact Assessment Review*, 31:154-160.
- Gunn, J.** and B. Noble. 2009. "Integrating cumulative effects in regional strategic environmental assessment frameworks: Lessons from practice." *Journal of Environmental Assessment Policy and Management*, 11(3): 267-290.
- Gunn, J.** and B. Noble. 2009. "A conceptual basis and methodological framework for regional strategic environmental assessment (R-SEA)." *Impact Assessment and Project Appraisal*, 27(4): 258-270. Nominated for "Paper of the Year 2009-10" by the International Association for Impact Assessment.
- Harriman, J.** and B. Noble 2008. "New urban planning means being 'proactive': learning points from the field of strategic environmental assessment". *Plan Canada*, 48(4): 23-26.
- Harriman, J.** and B. Noble 2008. "Characterizing project and strategic approaches to regional cumulative effects assessment in Canada". *Journal of Environmental Assessment Policy & Management*, 10(1): 25-50.
- Harriman, J.** and D. Baker 2003. "Applying integrated resource and environmental management to transmission right-of-way maintenance". *Journal of Environmental Planning and Management*, 46(2): 199-218.

#### *Technical Reports*

- Gunn, J.** 2014. Manitoba Hydro's Needs for and Alternatives to (NFAT) review of the Keeyask and Conawapa generating stations: Macro environmental impact assessment guidance. Research report prepared for the Public Interest Law Centre, Manitoba, on behalf of the Consumers Association of Canada (Manitoba Branch) under contract agreement. Winnipeg, MB: Public Interest Law Centre.
- Gunn, J.** and Noble, B. 2014. Definitions for cumulative effect, cumulative effects assessment, and cumulative effects management. Research report prepared for the Canadian Council of Ministers of the Environment Cumulative Effects Assessment Scoping Project Team under contract agreement. Winnipeg, MB: Canadian Council of Ministers of the Environment.
- Noble, B.,** and J. Gunn. 2013. Review of KHLP's approach to the Keeyask generation project cumulative effects assessment. Research report prepared for the Public Interest Law Centre, Manitoba, on behalf of the Consumers Association of Canada (Manitoba Branch) under contract agreement. Winnipeg, MB: Public Interest Law Centre.

- Gunn, J.** 2013. Vegetation management on electric utility transmission rights-of-way: Progress and strategies. Research report prepared for the Clean Environment Commission of Manitoba. Winnipeg, MB: Manitoba Hydro.
- Gunn, J.,** and B. Noble. 2013. Inclusion of future projects in cumulative effects assessment: Good practice overview. Research report prepared for Pape Salter Teillet LLP Barristers and Solicitors under contract agreement. Ontario: ON.
- Sikorski, B., and **J. Gunn.** 2013. Urban development pressures and biophysical effects to the Northeast Swale, Saskatoon, Canada. Saskatoon, SK: University of Saskatchewan.
- Gunn, J.,** and B. Noble. 2012. Critical review of the cumulative effects assessment undertaken by Manitoba Hydro for the Bipole III project. Research report prepared for the Public Interest Law Centre, Manitoba, on behalf of the Consumers Association of Canada (Manitoba Branch) under contract agreement. Winnipeg, Canada.
- Bronson, J., B. Noble, and **J. Gunn.** 2009. Strategic environmental assessment toolkit and methodological guidance. Research report prepared for the Canadian Environmental Assessment Agency under contract agreement. Ottawa, ON: CEAA.
- Noble, B. and **J. Harriman.** 2008. A federal government approach to regional environmental assessment in Canada. Research report prepared for Fisheries and Oceans Canada under contract agreement. Ottawa, ON: Canadian Council of Ministers of Environment.
- Noble, B. and **J. Harriman.** 2008. Regional strategic environmental assessment in Canada: principles and guidance. Research report prepared for the Canadian Council of Ministers of Environment Environmental Assessment Task Group under contract agreement. Ottawa, ON: Canadian Council of Ministers of Environment.
- Noble, B. and **J. Harriman.** 2008. Regional strategic environmental assessment (R-SEA): methodological guidance and good practice. Research report prepared for the Canadian Council of Ministers of Environment Environmental Assessment Task Group under contract agreement with Alberta Environment. Ottawa, ON: Canadian Council of Ministers of Environment.
- Noble, B. and **J. Harriman** 2008. Strengthening the foundation for regional scale strategic environmental assessment in Canada. Research report prepared for the Canadian Council of Ministers of Environment Environmental Assessment Task Group under contract agreement. Ottawa, ON: Canadian Council of Ministers of Environment.
- Harriman, J.,** L. Christmas and B. Noble 2006. Governance instruments and institutional arrangements in the Great Sand Hills Region, Saskatchewan. Research report prepared for the Great Sand Hills Scientific Advisory Committee under contract agreement. Regina, SK: Government of Saskatchewan.
- Harriman, J.** 2003. Pleasant Hill safety audit final report. Saskatoon, SK: City of Saskatoon.
- Harriman, J.** 2003. Wildlife species at risk operational procedures: Bella Coola non-integrated generation. Research report prepared for BC Hydro under contract agreement. Prince George, BC: BC Hydro.

- Harriman, J.** 2003. Wildlife species at risk operational procedures: Queen Charlotte Islands non-integrated generation. Research report prepared for BC Hydro under contract agreement. Prince George, BC: BC Hydro.
- Harriman, J.** 2003. Wildlife species at risk operational procedures: Stikine non-integrated generation. Research report prepared for BC Hydro under contract agreement. Prince George, BC: BC Hydro.
- Harriman, J.** 2002. Species at risk: Bella Coola non-integrated area. Research report prepared for BC Hydro under contract agreement. Prince George, BC: BC Hydro.
- Harriman, J.** 2002. Species at risk: northeast transmission lines. Research report prepared for BC Hydro under contract agreement. Prince George, BC: BC Hydro.
- Harriman, J.** 2002. Species at risk: Queen Charlotte Islands non-integrated area. Research report prepared for BC Hydro under contract agreement. Prince George, BC: BC Hydro, 81 pp.
- Harriman, J.** 2002. Species at risk: Stikine non-integrated area. Research report prepared for BC Hydro under contract agreement. Prince George, BC: BC Hydro.
- Harriman, J.** 2001. Species at risk: south transmission lines. Research report prepared for BC Hydro under contract agreement. Prince George, BC: BC Hydro.
- Harriman, J.** 2001. Species at risk: west transmission lines. Research report prepared for BC Hydro under contract agreement. Prince George, BC: BC Hydro.
- Harriman, J.** 1999. Critical success factors in new product development in the secondary wood products manufacturing industry. Prince George, BC: Forest Renewal BC.
- Harriman, J.** 1998. Wildlife habitat management on British Columbia Hydro's northern transmission rights-of-way. Research report prepared for BC Hydro under contract agreement. Prince George: BC Hydro.

#### *Invited Conference Addresses and Panels*

- Gunn, J.** and Noble, B. 2014. Uncertainty disclosure & consideration in EA: An agenda for research and practice. Concordia University, Montreal, Canada
- Noble, B., and **J. Gunn.** 2013. Review of the KHLP's Approach to the Keeyask Generation Project Cumulative Effects Assessment. Manitoba Clean Environment Commission Hearing for the Keeyask Hydroelectric Generating Station Project. Winnipeg, Manitoba.
- Gunn, J.** 2013. Cumulative Environmental Effects: What are they Anyway? February 13. Concordia University, Montreal, Canada.
- Gunn, J.** and B. Noble. 2012. Review of the Cumulative Effects Assessment Undertaken by Manitoba Hydro for the Bipole III Project. Manitoba Clean Environment Commission Hearing for the Bipole III Transmission Right-of-Way Project. Winnipeg, Manitoba.
- Gunn, J.** 2013. Potential Future for Environmental Assessment in Canada: The Next Decade. February 13. Concordia University, Montreal, Canada.
- Gunn, J.** 2013. Overview of the Bipole III CEA Review. February 13. Concordia University, Montreal, Canada.
- Gunn, J.** 2010. Saskatoon Speaks: City Center Focused Visioning Workshop (invited panellist). City of Saskatoon, December, Saskatoon, Canada.

- Gunn, J.** 2010. "Strategic Environmental Assessment in Canada: A Key Link in Pursuing Sustainable Development Outcomes" (keynote address, May 25). Sustainability Assessment Symposium hosted by Integral Sustainability: Fremantle, Western Australia.
- Gunn, J.** 2010. "Sustainability Assessment International Round Table" (Barry Sadler, convener, May 26). Sustainability Assessment Symposium hosted by Integral Sustainability: Fremantle, Western Australia.
- Gunn J.** 2010. "Applying R-SEA in Canada." SEA Toolkit Workshop (February 12), Canadian Environmental Assessment Agency: Ottawa, Canada.
- Gunn J.** 2010. "Urban Quality in Downtown Saskatoon: Potential Baseline Data Collection Methodology." Public Spaces, Activity + Urban Form Project Launch (May 10). City of Saskatoon, Land Branch: Saskatoon, Canada.
- Harriman, J.** 2008. Regional strategic environmental assessment. Panel discussion hosted by the Canadian Council of Ministers of Environment, Environmental Assessment Task Group (panel member). International Association of Impact Assessment Special Topic Meeting: Assessing and Managing Cumulative Effects. Calgary, AB.
- Harriman, J.** 1999. "Wildlife habitat management on electric transmission rights-of-way in the United States and Canada: Results of a Bi-National Survey" (plenary speaker). Edison Electric Institute Natural Resources Workshop. Williamsburg, Virginia.
- Harriman, J.** 1997. Address from the Canadian Institute of Planners national council student representative (keynote speaker). Canadian Institute of Planners Annual Conference. St. John's, Newfoundland.

### *Conference Presentations*

- Gunn, J.** and B. Noble, 2013. What is a Reasonable Standard of Practice for Cumulative Effects Assessment in Impact Assessment? Observations from the Manitoba Hydro Bipole III Transmission Line Project. International Association for Impact Assessment Annual Conference. Calgary, Alberta, Canada. May 13-16.
- Olagunju, A. and **J. Gunn**, 2013. How are VECs Chosen for CEA of Linear Projects? International Association for Impact Assessment Annual Conference. Calgary, Alberta, Canada. May 13-16.
- Olagunju, A. and **J. Gunn**, 2013. VEC Selection for CEA: Beyond Residual Impact Analysis. 2013. International Association for Impact Assessment Annual Conference. Calgary, Alberta, Canada. May 13-16.
- Harwicke, C., South, J., Walker, R., **Gunn, J.** 2011. Public Spaces, Activity and Urban Form (panel display). Saskatchewan Design Week Conference, Saskatoon, Canada. November 14-18.
- South, J., **Gunn, J.**, Walker, R., and Hardwicke, C. 2011. An Urban Quality Research Methodology. EcoCity Summit, Montreal. Canada. August 22-26.
- Walker, R., **Gunn, J.**, South, J., Hardwicke, C. 2011 A Public, Private and University Partnership: The Public Spaces, Activity and Urban Form Project. Association of Professional Community Planners of Saskatchewan Conference, Saskatoon, Canada. September 12-14.

- Zamchevska, V. and **Gunn, J.** 2012. Sustainability Assessment in Small Towns. University of Saskatchewan Graduate Student Association Conference, Saskatoon, Canada. March 7.
- Olgunju, A. and **Gunn, J.** and 2012. Valued Ecosystem Component Selection. University of Saskatchewan Graduate Student Association Conference, Saskatoon, Canada. March 7.
- Zamchevska, V. and **Gunn, J.** 2012. A Sustainability Assessment Framework for Small Towns in Canada. International Symposium on Society and Resource Management, Edmonton, Canada. June 17-22.
- Olagunju, A. and **Gunn, J.** 2012. Selecting Valued Ecosystem Component for Road Transportation Projects. International Symposium on Society and Resource Management, Edmonton, Canada. June 17-22.
- Olagunju, A. and **Gunn, J.** and 2012. Strategic Environmental Assessment Best Practices in Nigeria. International Symposium on Society and Resource Management, Edmonton, Canada. June 17-22.
- Gunn, J.** 2011. SEA as a Way to Address 'Small Projects'? International Association of Impact Assessment, June, Puebla, Mexico. May 28-June 4.
- Chilima, J., **Gunn, J.**, Noble, B. and Patrick, R. 2011. Evaluating Institutional Arrangements to Support Watershed-Scale Cumulative Effects Assessment in the Grand River Watershed. International Association of Impact Assessment, Puebla, Mexico. May 23 – June 4.
- Chilima, J. and **Gunn, J.** 2011. Evaluating Institutional 'Degree of Readiness' to Support Watershed-Scale Cumulative Effects Assessment: The Case of the Grand River Watershed, Ontario, Canada. Canadian Water Resources Association Conference, St. John's, Canada. June 27 – 30.
- Chilima, J. and **Gunn, J.** 2011. Evaluating Institutional Arrangements to Support Watershed-Scale Cumulative Effects Assessment in the Grand Rover Watershed, Ontario, Canada. The College of Arts and Science Graduate Student Poster Symposium, Saskatoon, Canada. April 19.
- Chilima, J. and **Gunn, J.** 2011. Institutional Arrangements for Watershed-Scale Cumulative Effects Assessment. Canadian Water Resources Association World Water Day Event (online conference). March 22.
- Chilima, J. and **Gunn, J.** 2010. The Importance of Multi-Stakeholder Collaboration in Advancing and Sustaining Watershed Cumulative Effects in the Grand River Watershed, Ontario, Canada. Impact 2010: Shaping Communities Through Research, University of Saskatchewan, Saskatoon, Canada. Nov 18 – 19.
- Harriman, J.** 2008. Integrating cumulative effects assessment and strategic environmental assessment: challenges to concept and methodology. International Association of Impact Assessment Special Topic Meeting: Assessing and Managing Cumulative Effects. Calgary, AB.
- Harriman, J.** 2006. Regional approaches to cumulative effects assessment: Project and strategic models. Twelfth International Symposium on Society & Natural Resources. Vancouver, British Columbia.

- Harriman, J.** 2002. Crossing conceptual boundaries: Integrated resource management on electric utility transmission rights-of-way. Eighth International Symposium on Society & Natural Resources. Bellingham, Washington.
- Harriman, J.** 2001. 38 rare wildlife species and 300 kilometers of line: Integrated maintenance prescriptions. Edison Electric Institute Natural Resources Workshop. Palm Springs, California.
- Harriman, J.** 2000. Wildlife habitat management on electric transmission rights-of-way: Results of an international survey. Seventh International Symposium on Environmental Concerns in Right-of-Way Management. Calgary, Alberta.
- Harriman, J.** 1998. Integrated resource management on transmission rights-of-way. Seventh International Symposium on Society & Natural Resources. Columbia, Missouri.

### *Workshops*

- Bronson, J., **Gunn, J.**, and Noble, B. 2009. Strategic Environmental Assessment Toolkit Workshop. Prepared for the Canadian Environmental Assessment Agency under contract agreement. Ottawa: Canadian Environmental Assessment Agency.
- Harriman, J.** 2007. Planning Education Program Workshop 1: Planning in Saskatoon. Prepared for the City of Saskatoon under contract agreement. Saskatoon, SK: City of Saskatoon.
- Harriman, J.** 2007. Planning Education Program Workshop 2: Reviewing and Commenting on Planning Proposals. Prepared for the City of Saskatoon under contract agreement. Saskatoon, SK: City of Saskatoon.

### *Book Reviews*

- Harriman, J.** 2007. Governing Canada's freshwater resources: weaknesses, challenges, innovations. *Environments*, 35(2): 97-99.
- Harriman, J.** 2007. Integrated resource and environmental management: concepts and practice. *Environments*, 36(1): 87-89.

### *Professional Positions*

- Consulting Associate. Aura Environmental Research and Consulting Limited. Saskatoon, Saskatchewan, 2008-2009, 2012-present.
- Advisory Board. Prairie Wild Consulting Limited. Saskatoon, Saskatchewan, 2009-2014.
- Sessional Lecturer. University of Saskatchewan. Saskatoon, Saskatchewan, 2006, 2007.
- Planner II. City of Saskatoon. Saskatoon, Saskatchewan, 2003-2004.
- Sessional Lecturer. University of Northern British Columbia. Prince George, British Columbia, 2001-2002.
- Consultant to BC Hydro. Prince George, British Columbia, 1997-2002.
- Assistant Project Officer, Forest Renewal BC, Prince George, British Columbia, 1999.

### ***Professional Memberships***

International Association for Impact Assessment, 2004-present  
Canadian Institute of Planners, 1996-present  
Association of Professional Community Planners of Saskatchewan, 1996-present

### ***Professional and Community Service***

Association of Canadian University Planning Programs, Accreditation Program Committee (Member), 2012-present.  
Canadian Institute of Planners Board of Examiners (Member), 2011-present.  
Director-at-Large, Stonebridge Community Association, Saskatoon, Canada, 2012.  
Co-Master of Ceremonies, Jan Gehl Lecture Series, Remai Arts Center Saskatoon, Canada, 2009.  
Saskatoon Environmental Advisory Committee (Member), 2010-2011.  
Book Reviews Editor, Environments Journal, 2009-2011.  
Organizing Committee Member, Jan Gehl Public Lecture Series, 2009.  
National Council Student Representative Canadian Institute of Planners, 1996-1997.

### ***Research Grants and Awards***

Noble, B. (PI), Jaeger, J. (Co-I), **Gunn, J.** (Co-I). 'Speak No Evil, Hear No Evil? Uncertainty Analysis and Communication in Canadian Environmental Impact Assessment Practice and Decision Making,' \$292,000, Insight Grant, Social Sciences and Humanities Research Council of Canada, 2012-2016.

**Gunn, J.** (PI) 'School of Environment and Sustainability Innovation in Teaching and Research Award'. \$10,000, University of Saskatchewan, 2012-2013.

**Gunn, J.** (PI). 'Are All Effects Cumulative?' \$63,044, Insight Development Grant, Social Sciences and Humanities Research Council of Canada, 2011-2013.

**Gunn, J.** (PI) and B. Noble (Co-I). 'Addressing the 'Burden' of Small Projects and Their Cumulative Impacts in Environmental Assessment: Strategic Options in Canada and Western Australia', Bridge Funding (SSHRC Grant, 4A status) \$5,000, University of Saskatchewan, 2011-2013.

**Gunn, J.** (Co-PI) and R. Walker, (Co-PI), 'Public Spaces, Activity + Urban Form Strategic Framework Part A', \$61,321, City of Saskatoon, 2009-2010.

**Gunn, J.** (PI), 'Addressing the 'Burden' of Small Projects and Their Cumulative Impacts in Environmental Assessment: Strategic Options in Canada and Western Australia', \$4,889, President's SSHRC Award, University of Saskatchewan, 2009-2010.

**Gunn, J.** (PI) 'Addressing the 'Burden' of Small Projects and Their Cumulative Impacts in Environmental Assessment: Strategic Options in Canada and Western Australia', \$1,000, Proposal Development Award, University of Saskatchewan, 2009-2010.

**Gunn, J.** (PI) 'New Faculty Research Grant', \$15,000, College of Arts and Science, University of Saskatchewan, 2009.

**Gunn, J.** (PI) 'President's SSHRC Award', \$1000, University of Saskatchewan, 2009.

**Gunn, J.** (PI) 'Proposal Development Award', \$1000, University of Saskatchewan, 2009.

**Gunn, J.** (PI) 'Canada Graduate Scholar', \$205,000, Social Sciences and Humanities Research Council of Canada, 2004-2008.

**Harriman, J.** (PI) 'Wildlife Habitat Management on Electric Utility Transmission Rights-of-Way', \$33,000, BC Hydro, 1997-2000.

### ***University Courses***

#### *University of Saskatchewan:*

GEOG 880 Environmental Geographies (Sustainability Assessment) (2012)  
RUP 395 Planning History and Theory (2009, 2011, 2012, 2013)  
RUP 390 Research and Field Methods in Planning (2009, Jan 2010, Sept 2010, 2012, 2013)  
GEOG 280 Environmental Geography (2010)  
EXT DIV Climate Change (2007)  
GEOG 391 Field Methods in Human Geography (2006)  
GEOG 130 Introduction to Human Geography (2006)

#### *University of Northern British Columbia:*

NREM 210 Integrated Resource Management (2002)  
NREM 101 Natural Resources Management II (2002, 2001)  
ENVS 309 Women and Environmental Studies (2001)  
NREM 306 Society, Policy, and Administration (2001)  
NRES 100 Communications in Natural Resources and Environmental Studies (2001)

### ***University Service***

Faculty Council of the College of Arts and Science (Chair), 2013-2015.  
Nominations Committee (Chair), College of Arts and Science, 2013.  
College of Reviews (Social Sciences and Humanities Research Council of Canada applications), University of Saskatchewan, 2012.  
Nominations Committee (Member), College of Arts and Science, University of Saskatchewan, 2010-2012.



Undergraduate Affairs Committee (Member), Department of Geography and Planning,  
College of Arts and Science, University of Saskatchewan, 2010-2012.

Dean's Designate Chair of a Ph.D. Defence (Candidate: Meredith Burles) (Chair),  
Department of Sociology, College of Arts and Science, University of  
Saskatchewan, 2010.

Regional and Urban Planning Committee (Member), Department of Geography and  
Planning, College of Arts and Science, University of Saskatchewan, 2009-present.

RUP Curriculum Electives Sub-Committee (Chair), Department of Geography and  
Planning, College of Arts and Science, University of Saskatchewan, 2010.