

Brian Rivard

3025 Redstart Dr, Mississauga, Ontario, L5L 2N1

Home: 905-997-6380, Cell: 437-333-4913

brian.rivard27@gmail.com

EDUCATION

- 1996 Ph.D. in Economics, University of Western Ontario
 Fields of Concentration: Industrial Organization, Monetary Economics
- 1990 Master of Arts in Economics, University of Western Ontario
- 1989 Bachelor of Arts in Economics, University of Windsor

PROFESSIONAL HISTORY

Adjunct Professor and Research Director of the Energy Policy and Management Centre

Richard Ivey School of Business at Western University

May 2018 to Present

- Contribute to energy policy-making through the production and dissemination of evidence-based research and analysis on major policy issues affecting the electricity, gas, oil and pipeline sectors in Canada
- Provide a transparent and reliable forum for industry, government, academia, and interested stakeholders to discuss and exchange ideas on energy sector development and policy
- Educate students, executives, and government officials on national and global energy sector issues.

Principal

Charles River Associates International

July 2015 to May 2018

- Provide economic and financial consulting services to corporations, law firms and government agencies on energy market issues relating to asset valuation, market strategy and analysis, corporate strategy and contract disputes and litigation
- Lead the Canadian energy practice for CRA, responsible for marketing and client outreach
- Select consulting experiences include:

- For Alberta’s Market Surveillance Administrator, co-authored a report with Adonis Yatchew that assessed the integration of different climate policy options in the Alberta wholesale energy market and the potential effects of the large scale deployment of renewables on the ability of the market to continue to function fairly, efficiently and in an openly competitive manner
- Provided economic and regulatory support to EPCOR Utilities Inc, on the competitive implications on distribution franchise arrangement in the Application to the Ontario Energy Board by Union Gas Limited for an Order for Approval of Union Gas Limited’s Distribution System Expansion Projects Proposal EB-201500179
- Managed the analysis and co-authored the expert report related to the valuation of a natural gas generation plant in Ontario, post the expiry of its contract with the Independent Electricity System Operator
- Providing expert economic consulting services to the Market Assessment and Compliance Division of the Independent Electricity System Operator on the development of an internal market impact analysis framework
- Providing expert economic opinion to the Market Assessment and Compliance Division of the Independent Electricity System Operator of the market and financial impacts of an alleged breach of the market rules (alleged market manipulation)
- Advised two Ontario wholesale market participants in the development of an internal compliance plan
- With Robert Cary, advising the Independent Electricity System Operator on the implications for the introduction of a Cap and Trade regime on gas generation contracts
- With Christopher Russo, contributed to the preparation of expert testimony for a Quebec based energy trading company on a matter involving breach of contract
- With Seabron Adamson, prepared expert testimony on behalf of three small hydroelectric generators in a Power Purchase Agreement renewal dispute with Hydro-Quebec
- Provided testimony on issues related to market power and market manipulation before the Federal Energy Regulatory Commission, on behalf of a major US energy company
- Provided advice and prepared a report on capacity market design to the Alberta Electricity System Operator

- Prepared report for the Alberta Utilities Commission on the economic fundamentals of capacity markets
- Prepared advice and prepared a report for the Alberta Department of Energy on governance arrangements in jurisdictions with capacity markets
- Conducting a benchmarking study for NextEra of development costs for North American transmission projects comparable to the proposed East-West transmission line
- Providing expert testimony on behalf of the IESO on a litigation matter before the Supreme Court involving the recovery of the Global Adjustment
- Providing expert advice to the IESO on the interactions between IESO contracts and the Market Renewal Initiatives

Director, Markets

Independent Electricity System Operator

May 2013 to July 2015

- Responsible for leading the corporate vision on evolution of the Ontario wholesale electricity market
- Led corporate external stakeholder efforts on market-related issues
- Led and mentored a team of 25 market analysts
- Managed \$1-million program budget
- Represented the IESO on the IESO Technical Panel

Manager, Regulatory Affairs and Sector Policy Analysis

Independent Electricity System Operator

April 2010 to May 2013

- Responsible for providing economic analysis of the impacts of changes to the IESO market rules or market design, government policies, and other industry initiatives
- Responsible for representing the corporation's interest in all regulatory matters
- Led team of 12 regulatory, market and legal analysts
- Represented the IESO on government relations matters

Manager, Economics

Independent Electricity System Operator

January 2006 to April 2010

- Conducted economic and financial analysis of changes to the Ontario electricity market and government policy

- Provided strategic advice to IESO CEO and Board of Directors on market-related matters

Director of Economic Analysis

Bell Canada Enterprise

April 2005 to January 2006

- Responsible for economic arguments made in Bell Canada's regulatory filings
- Conducted economic analysis on matters related to product development

Special Economic Advisor

Independent Electricity System Operator

November 2000 to April 2005

- Conducted analysis of the Ontario electricity market performance and participant behaviour

Senior Economist

LECG-Navigant Consulting Inc.,

May 1999 to November 2000

- Provided economic consulting services to legal and corporate clients in competition policy matters

Economist, Senior Economist

Canadian Competition Bureau

August 1993 to May 1999

- Conducted economic analysis of potential violations of the Canadian Competition Act

Other Professional Experiences

Part-Time Instructor

Ryerson University and Osgoode Hall Law School

- Offer courses on the law and economics of energy markets

Journal Referee

- Peer reviewer for the Energy Journal and Guest Editor, International Conference Energy Forum Special Issue

PAPERS PUBLISHED

“Integration of Renewables into the Ontario Electricity System,” (with Adonis Yatchew), *The Energy Journal*, 2016.

“Recent Developments In Competition Policy: The IPEGs,” (with Chantale LaCasse), *Canadian Competition Record*, spring of 2001.

“Antitrust Policy Towards EFT Networks: The Canadian Experience in the *Interac* Case,” (with R. Anderson), *Antitrust Law Journal*, Vol. 67, issue 2 July 1999.

“Interac, Essential Facilities and Access to Electronic Funds Networks: A Comment on Mathewson and Quigley,” (with Roger Ware), *Canadian Competition Record*, Vol. 18, No. 4, winter 1998.

“Monopolistic Competition, Increasing Returns and Self-fulfilling Prophecies,” *Journal of Economic Theory*, Vol. 6, No. 2, April 1994.

CHAPTERS IN BOOKS

“Economic Evidence of Market Power and Market Manipulation in Energy Markets,” (with Robin Cohen, David Hunger, and Christopher Russo) in Gordon E. Kaiser (ed.), *The Guide to Energy Market Manipulation* (London: Global Competition Review, La Business Research, 2018).

“Intellectual Property Rights and International Market Segmentation in the North American Free Trade Area,” (with R. Anderson, P. Feuer and M. Ronayne) in *Competition Policy and Intellectual Property Rights in the Knowledge-Based Economy*. Edited by R. Anderson and N. Gallini. Calgary: University of Calgary Press, 1998, pp. 397-429.

“The Competition Policy Treatment of Shared EFT Networks: The *Interac* Case,” (with R. Anderson) in the Proceedings of 34th Annual Conference on Bank Structure and Competition on *Payments Systems In the Global Economy: Risks and Opportunities*, 1998.

OTHER PROFESSIONAL ACTIVITY

- Chair, ISO-RTO Council Markets Committee, a ten-member organization of North America’s Electricity System Operators
- Graduate of University of Toronto - Rotman School of Management, Advanced Management Program - Change Management 2015