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BY E-MAIL

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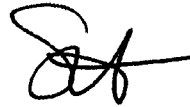
Kirsten Walli
Board Secretary
Ontario Energy Board
Yonge-Eglinton Centre
P.O. Box 2319
2300 Yonge Street, Suite 2700
Toronto ON M4P 1E4

Dear Ms. Walli:

Re: HONI Transmission Rates (Interim ETS Rate) – EB-2012-0031

Enclosed for filing are the CVs of Ira Shavel and Andy Bazilauskas, who will be testifying as part of the Concurrent Experts Panel at the hearing in this matter scheduled for February 25 and 26, 2013.

Yours truly,



for: Glenn Zacher

/sc
Encl.

cc: All Parties

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Dr. Ira Shavel is an energy economist with over 30 years of experience in the energy industry, specializing in the economics and operations of the U.S. electric power system, generation and transmission investment, and environmental strategy. He has performed work for a wide range of clients, including generation and transmission companies, natural gas pipelines, marketers, developers, industry research groups, as well as federal agencies.

Dr. Shavel has broad experience in the development of models of North American power systems, including the Integrated Planning Model by ICF International. He has also directed significant assignments for major electric utilities, independent transmission companies, independent power producers and private equity on matters such as coal plant retirements, fuel price forecasting, the benefits of new transmission lines and power plant valuation.

Dr. Shavel has testified before the Federal Energy Regulatory Commission (FERC), state regulatory agencies, and the Ontario Energy Board.

Prior to joining *Brattle*, Dr. Shavel was a Vice President at Charles River Associates (CRA). While at CRA, he led the development of the National Energy and Environment Model (NEEM) and contributed to its integration with the Multi-Region National Macroeconomic Model.

AREAS OF EXPERTISE

- ♦ *Antitrust/Competition*
- ♦ *Electric Power*
- ♦ *Environmental Litigation and Regulation*
- ♦ *Natural Gas*
- ♦ *Utility Regulatory Policy and Ratemaking*
- ♦ *Valuation*

EDUCATION

State University of New York at Stony Brook, Ph.D. in Mathematics; Massachusetts Institute of Technology, S.M. in Operations Research; Courant Institute of Mathematical Sciences, M.S. in Mathematics

PROFESSIONAL EXPERIENCE

- 2001 – 2012 *Vice President*, Charles River Associates
- 1996 – 2001 *Vice President*, Putnam Hayes and Bartlett, and PHB Hagler Bailly
- 1995 – 1996 *Senior Vice President*, Applied Automated Engineering Corporation
- 1979 – 1995 *Vice President*, ICF-Kaiser Consulting Group

EXPERIENCE

Generation Economics

- ◆ Conducted an appraisal of a large Midwest coal plant.
- ◆ Directed a major electric utility's annual fuel price projection that is used to support all of its operating companies' regulatory activities.
- ◆ Directed a board-level corporate positioning strategy for a merchant generation company faced with multiple challenges including impending carbon polices and poor overall market conditions.
- ◆ Directed an analysis of the value of a merchant plant development company for a potential purchaser. This analysis focused on the value of the developer's assets and organization as part of the client's broader strategy to develop a large electric power portfolio.
- ◆ Worked for a utility's senior management to analyze the potential market for a share of a nuclear asset. This analysis formed the basis for the company's negotiations with prospective purchasers.
- ◆ Analyzed the economics of a major pipeline project to serve a Northeast generating station for senior management of an interstate natural gas pipeline company.
- ◆ Analyzed the market and regulatory environments for numerous potential purchasers of generation asset.
- ◆ Co-directed the development of the infrastructure for a bulk power trading organization, including a tactical computer system and databases to support trading in the Eastern Interconnection. Worked with traders to identify long- and short-term sales and wheeling opportunities.
- ◆ Directed a study of least-cost options for the development of the Russian power system. Produced an integrated assessment of the need for investment in the system for use by international financial institutions in evaluating funding requests and by the State Department in negotiating

the shutdown of unsafe reactors.

- ◆ Taught a course on electric utility economics designed for the management of a major US electric utility.

Litigation/Regulatory

- ◆ Expert witness regarding the Independent Electricity System Operator of Ontario's export tariff. (*In the matter of a review of an application filed by Hydro One Networks Inc. for an order or orders approving a transmission revenue requirement and rates and other charges for the transmission of electricity for 2013 and 2014, EB-2012-0031.*)
- ◆ Expert witness regarding the Michigan/Ontario Phase Angle Regulators at the FERC. (*In Midwest Independent Transmission System Operator, Inc.*, FERC Docket No. ER11-1844, July 16, 2012.)
- ◆ Expert witness regarding NSTAR Electric Company's petition to construct a transmission line in Massachusetts. (Before the Commonwealth of Massachusetts Energy Facilities Siting Board and Department of Public Utilities on behalf of GENON Canal, LLC, EFSB 10-2/D.P.U. 10-131/D.P.U. 10-132.)
- ◆ Expert witness regarding the Independent Electricity System Operator of Ontario's export tariff. (*In the matter of a review of an application filed by Hydro One Networks Inc. for an order or orders approving a transmission revenue requirement and rates and other charges for the transmission of electricity for 2011 and 2012, EB-2010-0002.*)
- ◆ Expert witness regarding the benefits to Virginia ratepayers of the Potomac-Appalachian Transmission Highline (PATH) Project. (Before the State Corporation Commission of the Commonwealth of Virginia. (*For approval and certification of electric transmission facilities under Va. Code§ 56-46.1 and the Utility Facilities Act, Va. Code§ 56-265.1 et seq.*, Case No. PUE-2010-0015.)
- ◆ Performed a benefit-cost analysis of the International Transmission Company's Green Power Express and filed testimony at the FERC. (*Green Power Express LP*, FERC Docket No. ER09-681-000).
- ◆ Expert witness regarding Sierra Pacific's plan to add a combined cycle unit at its Tracy station. (Before the Public Utilities Commission of Nevada, *Application of Sierra Pacific Power Company for Approval of the Eighth Amendment to the Action Plan of its 2005-2024 Integrated Resource Plan to Approve Construction of the Tracy Combine Cycle Project, its Designation as a Critical Facility and the Proposed Incentive Mechanism for Ratemaking Purposes*. Docket No. 05-8004, November 2005.)
- ◆ Expert witness regarding reporting of Pacific Northwest transactions to the FERC. (*In the Matter of: Enron Power Marketing, Inc.*, Docket Nos. EL03-180-29, et al.)
- ◆ Expert damages witness for the Tennessee Valley Authority in a class action suit alleging that

Tennessee Valley Authority overcharged a class of interruptible customers in the summer of 1998. (*Johns Manville v. Tennessee Valley Authority*, No. 2:99-CV-2294-VEH-HGD.)

- ◆ Expert witness regarding the benefits of Public Service of Colorado's proposed DC transmission line between Colorado and Kansas in support of a Certificate of Public Convenience and Necessity. (Before the Public Utilities Commission of the State of Colorado, *In The Matter of the Application of Public Service Company of Colorado for a Certificate of Public Convenience and Necessity for the Construction of a 345 KV Transmission Line*, Docket No. OOA-600E, May 2002.)
- ◆ Expert witness regarding an analysis of transmission system usage in the eastern US. (*Midwest Independent Transmission System Operator, Inc., et al.* Docket No. EL02-111; *Ameren Services Company, et al.*, Docket No. EL03-212; *Midwest Independent Transmission System Operator, Inc. et al.*, Docket No. EL04-135-000, before the Federal Energy Regulatory Commission, October 1, 2004 and October 22, 2004.)
- ◆ Directed analysis and litigation support for both FERC and civil proceedings for two California generators. The assignments included participation in settlement discussions with FERC staff.
- ◆ Directed the damages analysis for an expert witness in *Cedar Bay Generating Company v. Florida Power and Light*. Provided an affidavit in support of a motion for sanctions and contempt and was subsequently deposed in connection with the affidavit.
- ◆ Co-directed the FERC "Appendix A" market power analysis in support of AEP's FERC and state filings in connection with its proposed merger with CSW.
- ◆ Directed the market revenue and variable costs analysis for Potomac Electric Power Company's stranded cost case.
- ◆ Directed the market revenue and variable costs analysis for PECO Energy's restructuring and qualified rate order cases. Prepared testimony and responded to interrogatories and data requests.
- ◆ Conducted an analysis for a large eastern utility to screen potential merger partners for FERC Order 592 "Appendix A" failures.

Transmission Economics

- ◆ Assessed the value of a proposed DC transmission line in New York in terms of customer savings and state employment.
- ◆ Led two studies of the implication for customers and generators of different Independent Electricity System Operator of Ontario Export Transmission Service tariffs.
- ◆ Helped develop a PJM financial transmission right (FTR) bidding strategy for a participant in the PJM FTR auctions.

- ◆ Analyzed MISO congestion patterns and the impact of these patterns on the market margins for the asset owner's generation units. The assignment included an assessment of the transmission upgrades that might improve the owner's financial position.
- ◆ Analyzed the consumer benefits of a transmission expansion versus a new generation unit in New England. Benefits included system reliability as well as the cost of power.
- ◆ Directed the analysis of the cost and benefits of two potential Midwest transmission projects in support of the acquisition of a transmission system.

Environmental Analyses

- ◆ Assisted a merchant generation company facing US EPA enforcement make a decision about installing SO₂ and NO_x controls in preparation for negotiations with EPA.
- ◆ Co-authored an Electric Power Research Institute report on California's climate policy. ("Economic Analysis of California Climate Initiatives: An Integrated Approach," Electric Power Research Institute, 2007).
- ◆ Co-directed major assignments to assist the Kansas City Power & Light and the Southern Company develop environmental reports for their shareholders.
- ◆ Advised the Utility Air Regulatory Group on New Source Review issues.
- ◆ Directed a peer-reviewed global climate change study for the Tennessee Valley Authority. Evaluated the impact of different forms of CO₂ control policies in terms of costs and rate impacts for the Tennessee Valley Authority and, more broadly, for U.S. electric utilities and their customers. Presented results to White House and Department of Energy staff.
- ◆ Co-authored a workbook on greenhouse gas accounting commissioned by the Electric Power Research Institute. Options analyzed included conservation, cogeneration, and reforestation.
- ◆ Co-directed a study for the Edison Electric Institute of the cost of climate policies on U.S. electric utilities.

Power System Modeling

- ◆ Developed several detailed models of the North American (including Canadian) and the Russian power systems. Managed both development of the computer software and data assembly. These models are used to forecast market prices, value assets, and estimate the future development of the power system under study. The suite of models includes: the ICF Integrated Planning Model, the ICF Coal and Electric Utilities Model, a confidential system designed to support energy trading in the eastern United States, and CRA's North American Electricity and Environment Model (NEEM).

- ◆ Developed extensive expertise with the GE MAPS, GE MARS, and Ventyx's PROMOD and PROSYM models. Applications have included market price forecasting, asset valuation, and stranded cost analysis.

PUBLICATIONS

"Examining CAIR, CSAPR, Eastern SO₂ and NO_x Emissions," (with B. Gibbs and J. Zahniser-Word), *Power Engineering*, November 2012.

"EPA Electric Sector Policies, Natural Gas Prices, and Electricity Prices" (with B. Gibbs and Y. Yang), 31st USAEE/IAEE North American Conference Proceedings, November 2012

"The Reliability Implications of EPA's Proposed Transport Rule and Forthcoming Utility MACT," CRA White Paper, November 2010.

"A Consistent Framework for Measuring Extra High Voltage Transmission Benefits and Costs" (with B. Gibbs and R. Luciani). Federal Energy Regulatory Commission Technical Conference on Planning Models and Software, Washington, DC, June 10, 2010.

"Economic Analysis of California Climate Initiatives: An Integrated Approach" (with P. Bernstein, D. Montgomery, T. Rutherford, A. Smith, and S. Tuladhar), Electric Power Research Institute, 2007.

"Integrated Electric Power and Heat Planning in Russia: The Fossil-Nuclear Tradeoff" (with J. Blaney), Fourth International Conference on Nuclear Engineering: Conference Proceedings, March 1996.

"The Dynamic Energy and Greenhouse Emissions Evaluation System" (with D. Klein, J. Haydel, P. Custode, D. Carter, B. Schillo, and J. Golden), International Association for Energy Economists, 15th Annual North American Conference Proceedings, October 1993.

"Carbon Taxes and Carbon Limits Are Not the Same" (with D. Klein, D. Doyle, and J. Golden), International Association for Energy Economists, 15th Annual North American Conference Proceedings, October 1993.

"The Environmental and Economic Value of DSM: A National Level Assessment" (with J. Haydel, D. Kathan, and S. Daryanani), Proceedings of the ACEEE 1992 Summer Study on Energy Efficacy in Buildings.

"A Short-term Fuel Purchasing and Inventory Model for Electric Utilities" (with C. Hoff Stauffer and G. Vicinus), in Benjamin Lev (ed.), *Production Management: Methods and Studies*, North Holland, 1987.

"Investment Planning for Hydro-Thermal Power System Expansion: Stochastic Programming Employing the Dantzig Wolfe Decomposition Principle" (with A.P. Sanghvi), *IEEE Transactions on Power Systems*, Vol. PWR51, No.2, May 1986.

"Incorporating Explicit Loss Load Probability Constraints for Power System Capacity Planning" (with

A.P. Sanghvi), *Journal of Electrical Power and Energy Systems*, Vol. 6, No. 4, 1984.

"Fuel Diversification, Stockpiling, and System Inter Connection Strategies for Minimizing Power System Vulnerability to Energy Shortages" (with A.P. Sanghvi and M.H. Wagner), in Benjamin Lev (ed.), *Energy Models and Studies*, North Holland, 1982.

"Procedures for Planning for Power System Vulnerability: An Optimization Model for Resource Planning Under Uncertainty" (with R. Spann and A.P. Sanghvi), *IEEE Transactions on Power Apparatus and Systems*, Vol. 101, No. 5, June 1982.

"A Class of Algebraic Surfaces of General Type Constructed from Quaternion Algebras," *Pacific Journal of Mathematics*, Vol. 76, No. 1, 1978.

"On Surfaces Obtained from Quaternion Algebras Over Real Quadratic Fields," *Bulletin of the American Mathematical Society*, Vol. 82, No. 5, September 1976.

PRESENTATIONS

"Electric Sector Impacts: CSAPR, MATS, etc.," (with B. Gibbs), Resources for the Future meeting, July 19, 2012.

"EPA Mercury and Air Toxics Standards (MATS): Requirements, Compliance Strategies, and Impacts," (with B. Gibbs), New EPA Power Plant Regulations Conference, Washington DC, May 21, 2012.

"Potential Coal Unit Retirements Under Upcoming EPA Rules," (with B. Gibbs), A Primer on Impending EPA Regulations Affecting the Power Sector for Lawyers and Energy Professionals, Energy Bar Association Meeting, Washington DC, May 4, 2011.

"Will Utility MACT and the Transport Rule Result in Reliability Problems?" Bipartisan Policy Center Workshop on Reliability Impacts of Power Sector Developments, Washington, DC, December 7, 2010.

"Transmission Benefit-Cost Methodologies," Fast Forward: Power Transmission Assets and Interconnection Reform Roundtable Seminar, McDermott Will & Emery, Washington, DC, November 16, 2010.

"Electric Utility Merger Regulatory Developments" (with W. Hieronymus), 13th Annual Energy & Commodities Conference, McDermott Will & Emery, Houston, TX, October 14-15, 2010.

"Alternative Power: The Alternatives" (with B. Gibbs), 1st Power & Alternative Energy Law Conference, Houston, TX, April 22, 2008.

"Greenhouse Gas Policy Analysis: A Hybrid Top-Down, Bottom-Up Approach" (with P. Bernstein and D. Montgomery), Electric Utilities Environmental Conference, Tucson, AZ, February 23-25, 2007.

"Environmental Allowance Pricing, Winter Workshops on Energy Law, sponsored by Energy & Mineral Law Foundation, Fort Myers Beach, FL, January 26-28, 2006.

"Developing Least-Cost New Capacity Plans Under Uncertainty" (afternoon session) and "Developing Least-Coast Multi-Pollutant Control Strategies Under Uncertainty" (morning session), Power Plant Emissions Reduction Technologies & Strategies: Coal Sustainability Under New Environmental Regulations, sponsored by INFOCAST, Washington, DC, October 5-7, 2005.

"Quantifying Key Decision Factors Across the Spectrum from Retirement to Plant Improvements" (with P. Spinney, NeuCo), EPRI Workshop on Improving Operation Flexibility, Hot Springs, VA, October 1-3, 2003.

"Incorporating Energy and Environmental Regulation into a Real Options Framework" (with S. Konar and M. Van Belle), Valuing Electric Power Assets & Companies: Using Real Options Methodology, sponsored by INFOCAST, Orlando, FL, December 4-7, 2000.

"Market-Oriented, Multi-Pollutant Approaches to Environmental Management: The Utility Perspective" (with J. Speyer), EEI Fall 2000 Legal Conference, Amelia Island, FL, October 15-18, 2000.

"Transmission Pricing Issues for RTOs" (with S. Henderson), Congestion Pricing and Forecasting, sponsored by INFOCAST, Chicago, IL, June 21-23, 2000.

"Forecasting Power Prices in Deregulated Markets," Merchant Plant Development & Finance, sponsored by INFOCAST, Houston, TX, March 29-31, 2000.

Chaired a conference on New NO_x Regulations and Power Generation in Competitive Markets, sponsored by INFOCAST, Washington, DC, November 3-5, 1999.

"Pricing for Capacity," Electricity Market Pricing Conference sponsored by EUCI, Vail, CO, August 9-11, 1999.

Chaired (and presented at) a conference on New NO_x Regulations and Power Generation in Competitive Markets, sponsored by INFOCAST, Washington, DC, April 29-30, 1999.

"Designing an Optimal Strategy" (with M. Chupka, J. Letzelter, and C. Mann}, Workshop on the Cost of NO_x Controls, at the New NO_x Regulations and Power Generation in Competitive Markets Conference, sponsored by INFOCAST, Washington, DC, April 29-30, 1999.

"Strategies for Maximizing the Value and Profitability of Operationally Constrained Plants," The 3rd Merchant Plant Development Conference, sponsored by INFOCAST, Chicago, IL, March 22-24, 1999.

"Market Price Forecasting," Developing & Financing Merchant Power Plants: Pre-Conference Workshop, sponsored by IBC USA Conferences, Inc., Washington, DC, June 3-5, 1998.

"Locational Pricing and Contracting in Bid-Based Power Pools" (with J. Graves, S. Henderson, and P. O'Rourke), Progressive Contracting Techniques, sponsored by IBC USA Conferences, Inc., Washington, DC, May 4-5, 1998.

"Environmental Regulation and Asset Values in Competitive Markets" (with M. Chupka), Public Utilities Reports Seminar, sponsored by Public Utilities Fortnightly, Phoenix, AZ, April 30-May 1, 1998.

"Valuing Generating Assets in a Deregulated Environment (with R. Borlick), Conference on Market Price Forecasting, sponsored by IBC USA Conferences, Inc., San Francisco, CA, March 9-10, 1998.

"Valuing Energy Projects in a Deregulated Environment," Conference on Market Price Forecasting, sponsored by IBC USA Conferences, Inc., Washington, DC, October 23-24, 1997.

"Valuing Energy Projects in a Deregulated Environment," Purchased Power Contracts Conference, sponsored by IBC USA Conferences, Inc., Washington, DC, January 27-28, 1997.

February 11, 2013

ANDY BAZILIAUSKAS

Principal

Ph.D. Economics
University of Western Ontario

M.A. Economics
University of Western Ontario

B.A. (Honours) in Economics
McMaster University

Dr. Andy Baziliauskas is a competition and industrial organization economist who consults to private sector and government clients in a wide variety of industries, including the energy, sports, telecommunications, banking, automobile, waste collection, and chemicals industries. He has prepared expert reports that have been submitted to courts and tribunals in competition, class certification, and international trade matters, and has authored several other reports for clients on energy market issues, market power, mergers, damages, price fixing, abuse of dominance, and public policy issues.

Dr. Baziliauskas holds a Ph.D. in Economics from the University of Western Ontario. He has lectured in the economics departments of the University of Western Ontario, the University of Winnipeg, and Carleton University. He has also published several articles in the area of competition policy and energy markets, and has made numerous presentations on competition issues, including as an invited speaker at the Canadian Bar Association's Annual Competition Law Conference.

EXPERT REPORTS

Fairview Donut Inc. and Brule Foods Ltd., v. the TDL Group Corp. and Tim Hortons Inc.
(proceedings under the *Class Proceedings Act*), 2011.

In re: Dewey Ranch Hockey, LLC, Coyote Holdings, LLC, Coyotes Hockey, LLC, and Arena Management Group, LLC (United States Bankruptcy Court, District of Arizona), 2009.

2038724 Ontario Ltd. And 2036250 Ontario Inc. v. Quiznos Canada Restaurant Corporation
(proceedings under the *Class Proceedings Act*), 2008 .

Robinson Motorcycle Ltd. v. Fred Deeley Imports Ltd. (Competition Tribunal), 2006.

Certain Bearings from China, France, Germany, Italy, Japan, Singapore, and the United Kingdom
(United States International Trade Commission) (with Seth Kaplan and Richard Boltuck), 2006.

SELECTED REPORTS FOR CLIENTS

“Export Transmission Service (ETS) Tariff Study”, prepared for the Independent Electricity System Operator (with Ira Shavel, Steve Dorey, and Barclay Gibbs), May 2012.

“Electricity Market Data Transparency”, prepared for the Alberta Market Surveillance Administrator (with Adonis Yatchew and Margaret Sanderson), November 2011.

“The Global Value Chain for a Canadian Auto Parts Manufacturer”, Report submitted to the Economic Research and Policy Analysis Branch, Industry Canada, (with Johannes Van Biesebroeck), 2009.

“The ‘Sufficient Competition’ Test for Boundary Entities in the Ontario Electricity Market”, prepared for a major Ontario electricity generator (with Adonis Yatchew), February 2009.

“Export Transmission Service (ETS) Charge Scenario Analysis”, prepared for the (Ontario) Independent Electricity System Operator, (with Ira Shavel and Barclay Gibbs), 2009.

“Issues Paper on the Organization of Firms and Industrial Performance in Canada”, prepared for Industry Canada, (with Ignatius Horstmann and Frank Mathewson), March 19, 2007.

“Overview of Cost-Benefit Analysis and its Applications in Public Policy Decisions”, prepared for the Independent Electricity System Operator, (with Michael Trebilcock and Adonis Yatchew), June 2007.

“Study of Competition in the Provision of Non-investment Banking Services in Ireland: Report and Recommendations”, for The Competition Authority (Ireland), (with Henry J Kahwaty), 2004.

“Study of Competition in the Provision of Non-investment Banking Services in Ireland: Phase 1 Report”, for The Competition Authority (Ireland), (with Henry J Kahwaty and John Evans), 2004.

“Emissions Trading Market Study”, Report to the Ontario Ministry of Environment, (with Don Dewees and Anindya Sen), 2003.

OTHER SELECTED ENGAGEMENTS

Analysis of contracts as barriers to entry for a major commercial waste collection company involved in a proposed merger in 2010.

Project management and competition advice relating to retail and wholesale gasoline market competition issues related to the merger of Suncor and PetroCanada in 2009.

Economic analysis and advice to counsel for Canada Pipe in relation to the competitive effects of rebates and other distribution practices in abuse of dominance proceedings before the Canadian Competition Tribunal.

Competition advice to counsel for Bank of Nova Scotia in a refusal to deal matter heard by the Canadian Competition Tribunal.

Geographic market definition for a potential merger involving two major mining companies.

Critical loss and merger simulation analysis as part of a CRA team for the proposed merger of Miller and Coors in 2008.

Econometric estimation of price fixing overcharges for a major chemicals manufacturer allegedly involved in a global conspiracy in 2007.

Economic analysis of the competitive effects of a proposed merger of manufacturers of oil and gas pipelines in 2006.

Analysis of economic harm from proposed surcharges in a Canadian International Trade Tribunal Safeguard Inquiry for a major Canadian retail chain in 2006.

Economic analysis of the effects of the liberalization of entry into the provision of postal services for Canada Post in 2005.

Econometric estimation of overcharges from vitamins price fixing for Hoffman-LaRoche in 2001.

Several other confidential reports and analyses for clients in merger and price fixing matters.

PUBLICATIONS AND RESEARCH

"Ontario Feed-in-Tariff Programs", *Energy Policy, Renewable Energy Special Issue*, Forthcoming (with A. Yatchew).

"The Competition Tribunal's *B-Filer* Decision", *Canadian Competition Record*, Summer 2007.

"Does Canada Pipe Really Have Market Power?", *Canadian Competition Record*, (with Roger Ware), Fall 2005.

"Introduction to Multiple Regression in Competition Analysis", *Papers of the Canadian Bar Association Annual Fall Conference on Competition Law -- 2004*.

'Information Technology in Banking: Implications for Competition Policy', paper for the symposium, The Information Technology Revolution: Implications for Financial Services and Public Policy, Schulich School of Business, York University, March 2002.

"Dealing with Market Power in Restructured Electricity Markets", Working Paper, 2002.

"Competition Analysis in the New Economy: New Approaches Required for New Problems", *Papers of the Canadian Bar Association Annual Fall Conference on Competition Law-2000*, (with David Scheffman).

"Lessening of Competition in Mergers Under the Competition Act", *Canadian Business Law Journal*, (with Tom Ross), July 2000.

"Airline Bill Could Boost Airfares, Not Competition", *National Post*, (with Roger Ware), May 17, 2000.

"The Difficulties with Vertical Restraints", *Global Competition Review*, April/May 1999.

"Impeding 'Toe Hold' Entry Through Exclusive Contracts" (with Brian Rivard), 1997.

SELECTED PRESENTATIONS

'The Federal Court of Appeal's *Canada Pipe Decision*', The Canadian Institute's Competition Law Compliance Conference, March 2007.

Graduate Workshop Presentation, McMaster University, November 2005.

'Introduction to Multiple Regression in Competition Analysis', presented at the Canadian Bar Association's Annual Fall Conference on Competition Law-2004, September 2004.

'Information Technology in Banking: Implications for Competition Policy', presented at the symposium, The Information Technology Revolution: Implications for Financial Services and Public Policy, Schulich School of Business, York University, March 2002.

'Introducing Competition into Restructured Electricity Markets: Ontario and Alberta', presented at the Canadian Bar Association's Annual Fall Conference on Competition Law-2001, September 2001.

'Impeding Toe-Hold Entry with Exclusive Contracts', presented at Carleton University Industrial Organization Conference, April 1998.

'Barriers to Entry and Sunk Costs in Merger Review', presented at OECD International Conference on Competition Law and Economics, Rio de Janeiro, July 1997.

PROFESSIONAL HISTORY

June 2005–Present *Principal*, CRA International, Toronto

- 1999–May 2005 *Managing Economist, LECG LLC, Toronto*
- 1993–1999 *Coordinator, Enforcement Economics Division and Senior Economist
Competition Bureau, Ottawa,*
- 1993–1995 *Lecturer, Carleton University*
- 1992–1993 *Lecturer, University of Winnipeg*