

## ECONALYSIS CONSULTING SERVICES

### William O. Harper

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Mr. Harper has over 30 years experience in the design of rates and the regulation of electricity utilities. While employed by Ontario Hydro, he has testified as an expert witness on rates before the Ontario Energy Board from 1988 to 1995, and before the Ontario Environmental Assessment Board. He was responsible for the regulatory policy framework for Ontario municipal electric utilities and for the regulatory review of utility submissions from 1989 to 1995. Mr. Harper also coordinated the participation of Ontario Hydro (and its successor company Ontario Hydro Services Company) in major public reviews involving Committees of the Ontario Legislature, the Ontario Energy Board and the Macdonald Committee. He has served as a speaker on rate and regulatory issues for seminars sponsored by the APPA, MEA, EPRI, CEA, AMPCO and the Society of Management Accountants of Ontario. Since joining ECS, Mr. Harper has provided consulting support for client interventions on energy and telecommunications issues before the Ontario Energy Board, Manitoba Public Utilities Board, Québec's Régie de l'énergie, British Columbia Utilities Commission, Saskatchewan Rate Review Panel and CRTC. He has also appeared before the Manitoba's Public Utilities Board, the Manitoba Clean Environment Commission, the Ontario Energy Board and Quebec's Régie de l'énergie.

#### EXPERIENCE

**Econalysis Consulting Services – Associate**  
**August 2011 - Present**

**Econalysis Consulting Services- Senior Consultant**  
**July 2000 to July 2011**

- Responsible for supporting client interventions in regulatory proceedings, including issues analyses & strategic direction, preparation of interrogatories, participation in settlement conferences, preparation of evidence and appearance as expert witness (where indicated by an asterix). Some of the more significant proceedings included:
  - Electricity (Ontario)
    - IMO 2000 Fees (OEB)
    - Hydro One Remote Communities Rate Application 2002-2004
    - OEB Transmission System Code Review (2003)
    - OEB Distribution Service Area Amendments (2003)
    - OEB Regulated Asset Recovery (2004)
    - OEB- 2006 Electricity Rate Handbook Proceeding\*
    - 2006 Rate Applications by Various Electricity Distributors
    - OEB - 2006 Guidelines for Regulation of Prescribed Generation Assets

- 2007 Rate Applications by Various Electricity Distributors
- OEB - 2007 Cost of Capital and 2<sup>nd</sup> Generation Incentive Regulation Proceeding
- Hydro One Networks 2007/2008 Transmission Rate Application
- 2008 Rate Applications by Various Electricity Distributors
- OEB – Cost of Capital for Ontario’s Regulated Utilities (2009)
- Hydro One Networks 2009/2010 Transmission Rate Application
- 2009 Rate Applications by Various Electricity Distributors
- 2010 Rate Applications by Various Electricity Distributors
- Hydro One Networks 2011/2012 Transmission Rate Application
- 2011 Rate Applications by Various Electricity Distributors
- 2012 Rate Applications by Various Electricity Distributors
- OEB – 2012 Renewed Regulatory Framework for Electricity Distributors
- Hydro One Networks 2013/2014 Transmission Rate Application
- 2013 Rate Applications by Various Electricity Distributors
- Electricity (British Columbia)
  - BC Hydro IPP By-Pass Rates
  - BC Hydro Heritage Contract Proposals
  - BC Hydro’s 2004/05 & 2005/06; 2006/07 & 2007/08; 2008/09 & 2009/10; 2010/2011; and 2011/12-2013/14 Revenue Requirement Applications
  - BC Hydro’s CFT for Vancouver Island Generation – 2004
  - BC Hydro’s 2005 Resource Expenditure and Acquisition Plan
  - BC Hydro’s 2006 Residential Time of Use Rate Experiment Application
  - BC Hydro’s 2006 Integrated Electricity Plan
  - BC Hydro’s 2007 Rate Design Application
  - BC Hydro’s 2008 Residential Inclining Block Rate Application
  - BC Hydro’s 2009 GS Rate Design Application
  - BC Transmission Corporation – Open Access Transmission Tariff Application -2004
  - BCTC’s 2005/06; 2006/07, 2008/10 and 2010/2011 Revenue Requirement Applications
  - BCTC’s – 2005 Vancouver Island Transmission Reinforcement Project
  - BCTC’s – 2007 Interior-Lower Mainland Transmission Application
  - BCTC’s 2009-2018 Capital Plan
  - BCTC’s 2011 Capital Plan Update
  - Fortis BC’s 2005 Revenue Requirement and System Development Application
  - Fortis BC’s 2006, 2007, 2008, 2009, 2010, 2011, 2012 and 2013 Revenue Requirement Applications
  - Fortis BC’s 2007/08 and 2009/10 Capital Plan and System Development Plans
  - FortisBC’s 2007 Rate Design Application
  - Fortis BC’s 2009 Cost Allocation and Rate Design Application
  - Fortis BC’s 2011 Residential Inclining Block Rate Application
  - Fortis BC’s 2011 Capital Plan
  - FortisBC’s 2012 Integrated System Plan Review

- BCUC - 2012 Generic Cost of Capital Review
- Electricity (Quebec)
  - Hydro Québec - Distribution's 2002-2011 Supply Plan\*
  - Hydro Quebec - Distribution's 2002-2003 Cost of Service and Cost Allocation Methodology\*
  - Hydro Québec - Distribution's 2004-2005 Tariff Application\*
  - Hydro Québec - Distribution's 2005/2006 Tariff Application\*
  - Hydro Québec - Distribution's 2005-2014 Supply Plan\*
  - Hydro Québec - Distribution's 2006/2007 Tariff Application\*
  - Hydro Québec - Transmission's 2005 Tariff Application\*
  - Hydro Québec - Distribution's 2006 Interruptible Tariff Application
  - Hydro Québec - Distribution's 2006 Cost Allocation Work Group
  - Hydro-Québec - Transmission's 2007 Tariff Application
  - Hydro-Québec - Distribution's 2007/08 Tariff Application\*
  - Hydro-Québec - Transmission's 2008 Tariff Application
  - Hydro-Québec - Distribution's 2008/09 Tariff Application\*
  - Hydro Québec - Distribution's 2008-2017 Supply Plan
  - Hydro-Québec - Transmission's 2009 Tariff Application
  - Hydro-Québec - Distribution's 2009/10 Tariff Application\*
- Electricity (Manitoba)
  - Manitoba Hydro's Status Update Re: Acquisition of Centra Gas Manitoba Inc.\*
  - Manitoba Hydro's Diesel 2003/04 Rate Application
  - Manitoba Hydro's 2004/05 and 2005/06 Rate Application\*
  - Manitoba Hydro/NCN NFAAT Submission re: Wuskwatim\*
  - Manitoba Hydro's 2005 Cost of Service Methodology Submission\*
  - Manitoba Hydro's 2007 Rate Adjustment Application
  - Manitoba Hydro's 2008 General Rate Application\*
  - Manitoba Hydro's 2008 Energy Intensive Industry Rate Application
  - Manitoba Hydro's 2009 Rate Adjustment Application
  - Manitoba Hydro's 2010-2012 General Rate Application
  - Manitoba Hydro's 2010 and 2011 Diesel Community Rate Applications
  - Manitoba Hydro's 2013-2014 General Rate Application
- Electricity (Saskatchewan)
  - Saskatchewan Power's 2008 Cost Allocation Methodology Review
- Natural Gas Distribution
  - Enbridge Consumers Gas 2001 Rates
  - BC Centra Gas Rate Design and Proposed 2003-2005 Revenue Requirement
  - Terasen Gas (Vancouver Island) LNG Storage Project (2004)
  - BCUC – 2012 Generic Cost of Capital Proceeding

- Telecommunications Sector
  - Access to In-Building Wire (CRTC)
  - Extended Area Service (CRTC)
  - Regulatory Framework for Small Telecoms (CRTC)
- Other
  - Acted as Case Manager in the preparation of Hydro One Networks' 2001-2003 Distribution Rate Applications
  - Supported the implementation of OPG's Transition Rate Option program prior to Open Access in Ontario
  - Prepared Client Studies on various issues including:
    - The implications of the 2000/2001 natural gas price changes on natural gas use forecasting methodologies.
    - The separation of electricity transmission and distribution businesses in Ontario.
    - The business requirements for Ontario transmission owners/operators.
    - Various issues associated with electricity supply/distribution in remote First Nations' communities
  - Member of the OEB's 2004 Regulated Price Plan Working Group
  - Member of the OEB's 2005/06 Cost Allocation Technical Advisory Team
  - Member of the OEB's 2008 3<sup>rd</sup> Generation Incentive Regulation Working Group
  - Member of the IESO Technical Panel (April 2004 to April 2010)
  - Member of the OEB's 2011 Cost Allocation Working Group
  - Member of the OEB's 2012 Network Investment Planning Work Group
  - Member of the OEB's 2012 Defining and Measuring Performance (4<sup>th</sup> Generation Incentive Regulation) Work Group

## **Hydro One Networks**

### **Manager - Regulatory Integration, Regulatory and Stakeholder Affairs (April 1999 to June 2000)**

- Supervised professional and administrative staff with responsibility for:
  - providing regulatory research and advice in support of regulatory applications and business initiatives;
  - ensuring regulatory requirements and strategies are integrated into business planning and other Corporate processes;
  - providing case management services in support of specific regulatory applications.
- Acting Manager, Distribution Regulation since September 1999 with responsibility for:
  - coordinating the preparation of applications for OEB approval of changes to existing rate orders; sales of assets and the acquisition of other distribution utilities;

- providing input to the Ontario Energy Board's emerging proposals with respect to the licences, codes and rate setting practices setting the regulatory framework for Ontario's electricity distribution utilities;
  - acting as liaison with Board staff on regulatory issues and provide regulatory input on business decisions affecting Hydro One Networks' distribution business.
- Supported the preparation and review before the OEB of Hydro One Networks' Application for 1999-2000 transmission and distribution rates.

## **Ontario Hydro**

### **Team Leader, Public Hearings, Executive Services (Apr. 1995 to Apr. 1999)**

- Supervised professional and admin staff responsible for managing Ontario Hydro's participation in specific public hearings and review processes.
- Directly involved in the coordination of Ontario Hydro's rate submissions to the Ontario Energy Board in 1995 and 1996, as well as Ontario Hydro's input to the Macdonald Committee on Electric Industry Restructuring and the Corporation's appearance before Committees of the Ontario Legislature dealing with Industry Restructuring and Nuclear Performance.

### **Manager – Rates, Energy Services and Environment (June 1993 to Apr. 95)**

#### **Manager – Rate Structures Department, Programs and Support Division (February 1989 to June 1993)**

- Supervised a professional staff with responsibility for:
  - Developing Corporate rate setting policies;
  - Designing rates structures for application by retail customers of Ontario Hydro and the municipal utilities;
  - Developing rates for distributors and for the sale of power to Hydro's direct industrial customers and supporting their review before the Ontario Energy Board;
  - Maintaining a policy framework for the execution of Hydro's regulation of municipal electric utilities;
  - Reviewing and recommending for approval, as appropriate, municipal electric utility submissions regarding rates and other financial matters;
  - Collecting and reporting on the annual financial and operating results of municipal electric utilities.
- Responsible for the development and implementation of Surplus Power, Real Time Pricing, and Back Up Power pricing options for large industrial customers.
- Appeared as an expert witness on rates before the Ontario Energy Board and other regulatory tribunals.

### **Section Head – Rate Structures, Rates Department**

#### **November 1987 to February 1989**

- With a professional staff of eight responsibilities included:

- Developing rate setting policies and designing rate structures for application to retail customers of municipal electric utilities and Ontario Hydro;
  - Designing rates for municipal utilities and direct industrial customers and supporting their review before the Ontario Energy Board.
- Participated in the implementation of time of use rates, including the development of retail rate setting guidelines for utilities; training sessions for Hydro staff and customers presentations.
- Testified before the OEB on rate-related matters.

**Superintendent – Rate Economics, Rates and Strategic Conservation Department  
February 1986 to November 1987**

- Supervised a Section of professional staff with responsibility for:
  - Developing rate concepts for application to Ontario Hydro's customers, including incentive and time of use rates;
  - Maintaining the Branch's Net Revenue analysis capability then used for screening marketing initiatives;
  - Providing support and guidance in the application of Hydro's existing rate structures and supporting Hydro's annual rate hearing.

**Power Costing/Senior Power Costing Analyst, Financial Policy Department  
April 1980 to February 1986**

- Duties included:
  - Conducting studies on various cost allocation issues and preparing recommendations on revisions to cost of power policies and procedures;
  - Providing advice and guidance to Ontario Hydro personnel and external groups on the interpretation and application of cost of power policies;
  - Preparing reports for senior management and presentation to the Ontario Energy Board.
- Participated in the development of a new costing and pricing system for Ontario Hydro. Main area of work included policies for the time differentiation of rates.

**Ontario Ministry of Energy  
Economist, Strategic Planning and Analysis Group  
April 1975 to April 1980**

- Participated in the development of energy demand forecasting models for the province of Ontario, particularly industrial energy demand and Ontario Hydro's demand for primary fuels.
- Assisted in the preparation of Ministry publications and presentations on Ontario's energy supply/demand outlook.
- Acted as an economic and financial advisor in support of Ministry programs, particularly those concerning Ontario Hydro.

**EDUCATION**

**Master of Applied Science – Management Science**

- University of Waterloo, 1975
- Major in Applied Economics with a minor in Operations Research
- Ontario Graduate Scholarship, 1974

**Honours Bachelor of Science**

- University of Toronto, 1973
- Major in Mathematics and Economics
- Alumni Scholarship in Economics, 1972

## **SUSTAINABLE PLANNING ASSOCIATES INC.**

**Principal Roger M.R. Higgin**

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*Dr. Roger Higgin has over 35 years of senior executive experience in the energy and environment sectors in both the public and private sectors.  
His appointments include regulation of gas and electric utilities with the Ontario Energy Board. Other executive positions include COO in a high-tech firm, CEO in natural gas R&D, Assistant Deputy Minister of Energy Ontario Government, Deputy Commissioner of Environmental Services City of Toronto.  
Since 2000, he has provided Regulatory Consulting Services to Ratepayer and Public Interest Groups across Canada*

### **CONSULTING EXPERIENCE**

#### **A. In Association with Econalysis Consulting Services 2000 to 2012**

##### **Provision of Testimony/Expert Opinion**

###### **2009**

###### **Manitoba Public Utilities Board**

Review of Manitoba Hydro PowerSmart Low Income Programs

Testimony On behalf of Manitoba Society of Seniors and Consumers Association

###### **2006**

###### **Regie De L'Energie Quebec**

-Gazifere Inc. 2006 Rates-Proposal for Incentive Regulation Mechanism

Testimony on Behalf of Option Consommateurs

###### **2005**

###### **Regie De L'Energie Quebec**

-Hydro Quebec Distribution -Review of PGEE 2006-2010

Testimony on Behalf of Option Consommateurs

-Gazifere Inc. 2005 Rates-O&M Expense and Corporate Cost Allocations

Testimony on Behalf of Option Consommateurs

###### **2004**

###### **Manitoba Public Utilities Board**

-Review of Manitoba Hydro Wuskwatim Project-

DSM, Windpower alternatives and Business/Partnership Arrangements

Testimony on Behalf of Manitoba Society of Seniors (Public Interest Law Centre)

###### **2003**

###### **Alberta Energy and Utilities Board**

-ATCO Gas/Electric Transfer of Default Supply to Direct Energy \*

"No Harm" Test in context of transaction/transfer

Testimony on Behalf of City of Calgary

###### **2001**

###### **Regie De L'Energie Quebec**

-Societe en Commandite Gaz Metropolitain Unbundling of Rates

Testimony on Behalf of Option Consommateurs



Provision of consulting and advisory services and regulatory intervention support for Electricity, Gas and Telecommunications Regulatory Proceedings

- Electricity
  - Hydro Quebec Interruptible Power Rate
  - Review of IMO and OPA 2002-2006 Fees Submissions
  - Review of Manitoba Hydro Wuskwatim Project
  - OEB Review of Electric C&DM Programs
  - OEB Review of 2006 EDR Rate Handbook
  - HQD PGEE 2006-2010\*
  - LRAM and Smart Meter Cost Recovery for Ontario LDCs (26 Cases)
  - Toronto Hydro Rate Cases 2006-2010
  - Hydro One Distribution Rate Cases 2006-2012
- Natural Gas
  - OEB Gas Distribution Access Rule
  - OEB Natural Gas Forum 2004
  - OEB Generic Gas DSM 2006&2008
  - Enbridge Gas Distribution (OEB)
    - Comprehensive PBR Plan
    - Quarterly Rate Adjustment Mechanism Applications
    - Consultative on Demand Side Management
    - Review of 2002-2006 Rates
    - IRM Plan 2007-2012
    - Annual IRM and ESM proceedings
    - DSM plans 2006-2012
    - Rebased and Cost of Service 2013
    - DSM Plan 2013-2014
  - Union Gas (OEB)
    - Unbundling of Rates and Services
    - Consultative on Demand Side Management
    - Quarterly Gas Cost Adjustment Mechanism Applications
    - Review of 2004 and 2006 Rates
    - Review of 2005 DSM Program
    - Review of 2006-2012 DSM Programs
  - Other
    - Regie Societe en Commandite Gaz Metropolitain Unbundling
    - Natural Resource Gas 2001 and 2002 rates ADR Settlement
    - BCUC Gas- Gas Cost Adjustment Mechanism Staff Paper
    - BCUC Outsourcing of Customer Care to CustomerWorks LLP
    - Sithe Energies Canada Application for natural gas Supply Pipeline
    - ATCO Gas/Electric Transfer of Default Supply to Direct Energy \*
    - Gazifere 2005 Rate Application
- Telecommunications Sector
  - CRTC PN 00 27      Restructured Bands

- CRTC PN 00 99      Scope of Price Cap Review
- CRTC PN 01 125      Monitoring Canadian Telecommunications Industry

## **B. On Behalf of Energy Probe Research Foundation 2012 to Present**

### **Electricity**

- Great Lakes Power Transmission 2013 Rates
- Toronto Hydro IRM/ICM 2012-2014
- Hydro One Transmission IRM/ICM 2013
- Hydro One Distribution IRM/ICM 2013
- London Hydro COS 2013 Rates

### **Natural Gas**

- Union Gas Limited 2012 Earnings Sharing and Deferral Accounts
- Union Gas Rebasing COS 2013 Rates
- Enbridge and Union Pipeline Projects
- Union Gas 2014 Rates

## **C. On behalf of SPA INC**

- Gaz Metro COS 2013 Rates
- Hydro Quebec IRM 2014-2019
- Manitoba Hydro NFAT Review 2014

## **D. Employment History**

### **Ontario Energy Board**

#### **Board Member 1996 to 2000 (Retired June 2000)**

- Regulation of gas and electric utilities in Ontario. Holding proceedings, writing and rendering Decisions and Orders. Scope included facilities, rates, gas cost and generic proceedings. Examples are rates for Enbridge Consumers Gas and Union Gas, PBR plan for Enbridge Consumers Gas, standard supply service for electricity distributors, revenue requirement and transmission rates for Ontario Hydro Services Company (now Hydro One).
- Deregulation
  - Chaired/Participated in the Following Regulatory Proceedings:
    - 1999 and 2000 revenue requirements and rates for Ontario Hydro Networks (now Hydro One) – Transmission and Distribution
    - Hearing on Standard Supply Service (SSS)
    - Rates for unbundled Transmission tariffs for Hydro One
  - Member of Internal Committee on Codes and Standards:
    - Transmission Access Code
    - Retail Settlement Code
    - Affiliate Relations Code
    - Performance Based Regulation for Electricity Distributors

- Cost of Service Regulation

- Review of Ontario Hydro Conservation Programs
- Presided over and wrote numerous Rates and Facilities Decisions
- Targeted PBR Decision for Enbridge Consumers Gas
- Outsourcing of CIS-Union Gas Limited
- Separation of Ancillary Programs – Union Gas Limited
- Merger of Union Gas and Centra Gas Ontario
- Affiliate Relations Rule
- Gas Marketing Code

**Unisearch Associates Inc.**

**General Manager and Chief Operating Officer 1995 to 1996**

- Responsible for Business Planning, Reorganization, Refinancing and Restructuring of \$2 million high technology environmental instrumentation and service growth company. Establishment of marketing, production, financial management and securing new bank and equity financing. Strategic & Distribution alliances.

**Gas Technology Canada and CGRI**

**President and Chief Executive Officer 1992 to 1995**

- On behalf of Canadian Natural Gas Distribution Sector, operated \$8 million Natural Gas Research and Development program including Canadian Gas Research Institute Laboratory and the Gas Technology Canada technology development investment portfolio.

**Toronto Department of Public Works and the Environment**

**Deputy Commissioner Environmental Services Division**

**1991 to 1992**

- Responsible for new Environmental Services Division with 600 staff dealing with waste management, air and water quality, transportation systems management, infrastructure planning and development, Office of Energy Efficiency, departmental IT planning and capital budgeting.

**Ontario Energy Board**

**Board Member 1988 to 1991**

- Regulatory/Administrative Commissioner. Chairing Public Hearings-Electric & Gas Utilities. Review of Ontario Hydro Rates and Capital Plans.
- Writing Decisions and Orders.
- Representing Board at meetings & conferences.

**Ministry of Energy**

**Assistant Deputy Minister- Programs & Technology Division**

**1984 to 1988**

- Staff complement 74, annual budget - \$35 million.
- Input to Policy and Strategy on all aspects of Energy Supply and Demand
- Allocation of over 80% of the Ministry's budget to Conservation and Renewable Energy program priorities.

- Organizational design and organizational development in the Division.
- Federal/Provincial relations. Representing the Ministry at numerous public events involving speaking engagements, TV and radio.

### **Ontario Energy Ventures**

#### **President 1986 to 1988**

- In charge of the wind-up of Ontario Energy Corporation's subsidiary (OEV) and \$100 Million in venture capital investments in technology companies.
- Director of eight of the subsidiary companies. Responsible for portfolio management, strategy and negotiations leading to divestiture, conversion of investments into carried interest or folding of companies.

#### **Executive Coordinator 1980 to 1984**

- Alternative and Renewable Energy Group.

#### **Senior Advisor 1974 to 1980**

- Special Studies and Renewable Energy.

### **Ontario Ministry of Environment**

#### **1973 to 1974 Branch Head**

- Special Studies and Program Planning, Air Resources Branch.

#### **1971 to 1973 District Engineer**

- Air Pollution Abatement Section

#### **1970 to 1971-Consulting Engineer (Self-Employed)**

#### **1968 to 1970 Univ. of Toronto Post-graduate Research Fellow and Lecturer**

- Chemical Engineering Department

### **D. Directorships & Committee Memberships Held**

**1995-96 Director**-Unisearch Associates Inc.

**1991-1995 Director** -Gas Technology Canada, CGRI,

**1984-88 Director** - Ontario Energy Ventures

**1984-88 Chairman** -Ontario Energy Consortium Kenya/Canada Energy Project

**1991 Chairman Energy Task Force** Ontario Round Table Environment and Economy

**1982-1988 Member**-University Research Incentive Fund Selection Committee

**Scientific Advisor**-Premiers Council Tech Fund and NSERC

### **Professional Affiliations**

Professional Engineers of Ontario

### **E. Education**

#### **Masters of Business Administration**

University of Toronto, Faculty of Management Studies, Dean's List 1986

**Ph.D.**

Fuel Science and Applied Chemistry, University of Leeds, England, 1968.

Thesis: "Shock Tube Ignition of Hydrocarbon Fuels" - high speed chemical reactions and computer simulation of reactions.

**B.Sc. with 1st Class Honours**

Fuel Science and Combustion Engineering, University of Leeds, England, 1965.

Majors: Heat Transfer, Chemical Reactions, Coal, Oil and Gas Production and Utilization.

#### **F. Selected Publications/Presentations**

- Demand Side Management A Customer Perspective. CAMPUT Educational Conference Whistler BC April 2003
- PBR for Gas Utilities. Presentation to CGA Seminar. February 2002.
- Higgin, R.M.R., Dean, D.A., "Integrated Resource Planning", Presented at the Annual Meeting of the Ontario Natural Gas Association, Toronto, September 1990
- Higgin, R.M.R., "Non Utility Generation In Ontario", Presented at CAMPUT Educational Conference, Lake Louise, Alberta, May 1990
- Higgin, R.M.R., "Regulation of the Crown Owned Electric Utility In Ontario", Presented at CAMPUT Educational Conference, Lake Louise, Alberta, May 1990
- Higgin, R.M.R., "Conversion of Refuse to Energy in Ontario Canada and the Provincial Energy from Waste Program", Conversion of Refuse to Energy Conference, Berlin, West Germany, October 1979
- Higgin, R.M.R., "Ontario Biomass/Energy from Waste Program", CSChE Conference, Halifax, 1978
- Orgill, J.F. and Higgin, R.M.R., "The Effect of Component Costs on Solar Systems Design", Renewable Alternatives Conference, Solar Energy Society of Canada, London, 1978
- Higgin, R.M.R., "Windpower Applications in Ontario", CSME Annual Meeting, Toronto, 1978
- Higgin, R.M.R., "Novel Energy Sources", 26th CSChE Conference, Toronto, 1976
- Higgin, R.M.R., "Solar Heating for Buildings in Ontario", Sharing the Sun, Joint ISES/SESCI Conference, Winnipeg, 1976
- Higgin, R.M.R. and Brown, C.K., "Preliminary Assessment of the Potential of Wind Generators as Fuel Savers in A.C. Community Diesel Power Systems in Ontario", Sharing the Sun, Joint ISES/SESCI Conference, Winnipeg, 1976
- Chisamore, G.C. and Higgin, R.M.R., "Ontario Resources Recovery Program", Conversion of Refuse to Energy Conference, Montreaux, Switzerland, 1975
- Higgin, R.M.R., Ogner, D.J. and Shenfeld, L., "Frequency and Particle Size Distribution of Lead in the Toronto Urban Aerosol", 1975
- Higgin, R.M.R., "Shock Tube Studies of the Dissociation of Ammonia and Methane", Joint ACS/CSChE Conference, 1970
- Higgin, R.M.R. and Williams, A., "Ignition Delay of Methane/Oxygen Methane/Oxygen/Butane Mixtures in Shock Tubes", 12th International Symposium on Combustion, Poitiers, France, 1968

#### **Articles**

- Northern Miner, September 18, 1976; Renewable Energy Resources Merit Continuing Study"
- Conservationist, March 1977
- Ontario's Energy from Waste Program: Perspective March 1981
- Time for Reassessment of Alternatives: Oil Week July 1982

**WAYNE SIMPSON**

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**CURRICULUM VITAE    December, 2013**

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simpson@ms.umanitoba.ca

**Background:**

**Education:** Ph.D. Economics, London School of Economics, 1977

M.Sc. Economics, London School of Economics, 1974

Certificate in Economics (High Honours) University of  
Saskatchewan, 1971

Certificate in Mathematics (Honours) University of Saskatchewan,  
1970

B.A. (Great Distinction) University of Saskatchewan, 1969

**Employment:** Head (1997-2008), Professor (1991- ),  
Associate Professor (1984-1991), Assistant Professor (1979-84),  
Department of Economics, University of Manitoba.  
Economist, Centre for the Study of Inflation and Productivity,  
Economic Council of Canada, Feb-Aug, 1979  
Economist, Labour Canada, 1977-79  
Sessional Lecturer in Labour Economics and Industrial Relations,  
Department of Economics, Carleton University, 1977-79  
Teaching Assistant in Mathematics and Statistics for Economists,  
Department of Economics, London School of Economics, 1976-77  
Operations Analyst, Bank of Canada, 1971-73

**Academic Affiliations:** Research Fellow, School of Public Policy,  
University of Calgary, 2013-16; Affiliated Researcher, Education Policy  
Research Institute, University of Ottawa, 2012-; Research Associate,  
Center for Comparative Immigration Studies, University of California  
San Diego, 2009-; Visiting Scholar, CCIS, UCSD, March, 2009; Visiting  
Professor, University of Wollongong, Australia, January-April, 2005;  
Fellow and Faculty Associate, Lincoln Institute of Land Policy  
(Cambridge, Mass.), 1991-92; St.John's College Visiting Fellow, 1985-86

**Academic Honours:** John Vanderkamp Prize (best article in *Canadian  
Public Policy* with Derek Hum), 1999; University of Manitoba Centre on  
Aging Research Fellowship, 1999-2000; University of Manitoba  
Certificate of Teaching Excellence, 1996; University of Manitoba Merit  
Award (Research), 1992; University of Manitoba Merit Award  
(Research and Service), 1991; S.S.H.R.C. Leave Fellowship, 1985-86;  
Canada Council Doctoral Fellowship, 1974-77; George Robertson  
Memorial Scholarship, 1973-76; C.M.H.C. Fellowship, 1973-74;

University of Saskatchewan Honours Scholarship, 1969-71;  
University of Saskatchewan Entrance Scholarship, 1966-70.

## **Research - Publications:**

### **Books/Monographs:**

*Maintaining a Competitive Workforce: Employer-Based Training in the Canadian Economy* (Monograph Series on Education no.6). Montreal: Institute for Research on Public Policy, 1996 (with D. Hum)

*Urban Structure and the Labour Market: Analysis of Worker Mobility, Commuting and Underemployment in Cities*, Oxford University Press, 1992

*Income Maintenance, Work Effort and the Canadian Mincome Experiment*, Ottawa: Economic Council of Canada, 1991 (with D. Hum)

### **Articles in Books:**

"Manitoba in the Middle: A Mutual Fund Balanced for Steady Income," in Paul Thomas and Curtis Brown (eds.) *Manitoba Politics and Government: Issues, Institutions, Traditions*, University of Manitoba Press, 2010, 293-305 (with D. Hum)

"The Retirement Prospects of Immigrants" in Abbott, Michael, Charles Beach, Robin Boadway and James MacKinnon (eds.) *Retirement Policy Issues in Canada*, McGill-Queen's University Press, 2009, 429-450 (with D. Hum)

"Revisiting Equity and Labour: Immigration, Gender, Minority Status and Income Differentials in Canada," in Sean Hier and B. Singh Bolaria (eds.) *Race and Racism in 21<sup>st</sup> Century Canada: Continuity, Complexity and Change* Broadview Press, 2007, 89-109 (with D. Hum)

"The Impact of Health on Labour Supply in Panel Data" in *Global Business and Economics Anthology Volume I*, December, 2006, 185-196 (with D. Hum and E. Fissuh Ghebretsadik)

"The Cost of Eliminating Poverty in Canada: Basic Income with an Income Test Twist," in Lewis, M., S. Pressman, & K. Widerquist (eds) *The Ethics and Economics of Basic Incomes* London: Ashgate Press, September, 2005 (with D. Hum)



"What are Canadians Doing After School? An Analysis of Postschool Training Activity" in

J. Gaskell and K. Rubenson (eds.) *Educational Outcomes for the Canadian Workplace: New Frameworks for Policy and Research*, University of Toronto Press, 2004, 89-117 (with D. Hum)

"Reinterpreting the performance of immigrant wages from panel data" in Badi Baltagi (ed.)

*Panel Data: Theory and Applications*, Heidelberg and New York: Physica-Verlag, 2004, 129-148 (with D. Hum)

"Discussion of 'Downward Nominal Wage Rigidity: A Critical Assessment and Some New

Evidence for Canada' by Jean Farés and Thomas Lemieux'," in *Price Stability and the Long-run Target for Monetary Policy*, Ottawa: Bank of Canada, 2001, 40-48

"Training and Unemployment" in Ken Battle and Andrew Sharpe (eds.) *Employment Policy*

*Options*, Ottawa: Caledon Institute of Social Policy, 1999, 71-106 (with D. Hum)

"Reducing Inflation in an Era of Low Inflationary Expectations" in Wolfgang Filc (ed.)

*Macroeconomic Causes of Unemployment: Diagnosis and Policy Recommendations*, Berlin: Duncker & Humblot, 1999, 271-88 (with D. Hum and N. Cameron)

"The View from the Less-Affluent West" in John McCallum (ed.) *From East and West:*

*Regional Views on Reconfederation*, Ottawa: C.D. Howe Institute, 1991 (with N. Cameron and D. Hum)

"Can Government-Sponsored Training Reduce Unemployment in Canada?" in *Transitions to*

*Work*, Institute for Social and Economic Research, 1985, 281-90

"La Formation Industrielle au Canada et au Québec: Une Analyse Economique" in Claude

Montmarquette and Rachel Houle (eds.) *Les Ressources Humaines et la Croissance Economique*, Les Cahiers de l'ACFAS no. 23, Les Presses de l'Université du Québec, 1983, 181-20

"An Evaluation of Existing Canadian Data Bases to Support Research into Women and

Work" in *Women and Work*, Winnipeg: Institute for Social and Economic Research, 1983

## Articles in Refereed Journals:

"Canadian Economics in Decline: Implications for Canada's Economics Journals," *Canadian Public Policy* XXXVIII no.4, 2012, 445-470 (with J. C. H. Emery)

"Effective tool or effectively hollow? Balanced budget legislation in Western Canada," *Canadian Public Policy* XXXVIII no.3, 2012, 291-313 (with J. Wesley)

"Information Technology and the Changing Workplace in Canada: Firm Level Evidence," *Industrial and Corporate Change* 20 no.6, 2011, 1601-1636 (with S. Moshiri)

"Explaining Declining Social Assistance Participation Rates: A Longitudinal Analysis of Manitoba Administrative and Population Data," *Canadian Public Policy* XXXVII no.2, 2011, 163-181 (with H. Stevens and S. Frankel)

"The Declining Retirement Prospects of Immigrant Men" *Canadian Public Policy* XXXVI no.3, 2010, 287-306 (with D. Hum)

"Examining Evidence of Financial & Credit Exclusion in Canada from 1999-2005," *Journal of Socio-Economics* vol. 38, 2009, 966-976 (with J. Buckland), available online at:  
<http://dx.doi.org/10.1016/j.socec.2009.06.004>

"Taking Account of Context: How Important are Household Characteristics in Explaining Adult Health Seeking Behaviour: The Case of Vietnam," *Health Policy and Planning* vol.23, 2008, 397-407 (with A. Sepehri, S. Moshiri, and S. Sarma)

"How important are individual, household and commune characteristics in explaining utilization of maternal health services in Vietnam?" *Social Science and Medicine*, vol. 67, 2008, 1009-1017 (with A. Sepehri, S. Moshiri and S. Sarma)

"A Panel Multinomial Logit Analysis of Elderly Living Arrangements: Evidence from Aging in Manitoba Longitudinal Data," *Social Science and Medicine*, vol. 65, 2007, 2539-2552 (with S. Sarma)

"The Influence of Health Insurance on Hospital Admission and the Length of Stay - the Case of Vietnam," *Social Science and Medicine*, vol. 63, 2006,

1757-1770 (with A. Sepehri and S. Sarma)

"The Legacy of Immigration: Labour Market Performance and Education in the Second Generation," *Applied Economics*, vol.39, no. 15, 2007, 1-25 (with D. Hum)

"Does Non-profit Health Insurance Reduce Financial Burden? Evidence from the Vietnam Living Standards Survey Panel," *Health Economics*, vol. 15, no. 6, 2006, 603-616 (with A. Sepehri and S. Sarma)

"A Microeconometric Analysis of Canadian Health Care Utilization," *Health Economics*, vol. 15, no. 3, 2006, 219-239 (with S. Sarma).

"Economic Integration of Immigrants to Canada: A Short Survey," *Canadian Journal of Urban Research*, vol. 13, no. 1, 2004, 46-61 (with D. Hum)

"Reinterpreting the Performance of Immigrant Wages from Panel Data," *Empirical Economics*, vol. 29, no. 1, 2004, 129-147 (with D. Hum)

"Job-Related Training Activity by Immigrants to Canada," *Canadian Public Policy* vol. 29, no.4, 2003, 469-489 (with D. Hum)

"Labour Market Training of New Canadians and Limitations to the Intersectionality Framework," *Canadian Ethnic Studies*, vol. 35, no. 3, 2003, 56-69 (with D. Hum)

"Selectivity and Immigration in Canada: A Research Note," *Journal of International Migration and Integration*, vol. 3, no. 1, 2002, 107-127 (with D. Hum)

"Public Training Programs in Canada: A Meta-evaluation," *Canadian Journal of Program Evaluation*, vol. 17, no. 1, 2002, 119-138 (with D. Hum)

"Disability Onset Among Aging Canadians: Evidence from Panel Data," *Canadian Journal on Aging*, vol. 21, no. 1, 2002, 117-136 (with D. Hum)

"Closing the Wage Gap: Economic Assimilation of Canadian Immigrants Reconsidered," *Journal of International Migration and Integration*, vol. 1, no. 4, Fall, 2000, 427-441 (with D. Hum)

"Intermittent Work Activity and Earnings," *Applied Economics*, vol. 32, 2000, 1777-1786

"The Production Responses of the Competitive Firm to Three

Conventional Distributional Shifts: Towards an Integrated Perspective," *Metroeconomica*, vol. 51, no.2, May, 2000 (with R. Sproule)

"Wage Opportunities for Visible Minorities in Canada," *Canadian Public Policy*, vol. 25, no.3, 1999, 379-394 (with D. Hum)

"Is Hypoinflation Good Policy?" *Canadian Public Policy*, vol. 24, no.3, 1998, 291-308 (with N. Cameron and D. Hum)

"Canadians with Disabilities and the Labour Market" *Canadian Public Policy*, vol. 22, no.3, 1996, 285-299 (with D. Hum)

"Stylized facts and Stylized Illusions: Inflation and Productivity Revisited," *Canadian Journal of Economics*, vol.29, no.1, 1996, 152-162 (with N. Cameron and D. Hum)

"Reducing Spending and Increasing Equity: How Far Can Refundable Tax Credits Take Us?", *Canadian Public Administration*, vol.38, no.4 (Winter), 1995, 598-612 (with D. Hum)

"Can the Sufficient Conditions Used to Sign the Global Effect of Risk Be Used to Sign the Marginal Effect?" *Bulletin of Economic Research*, vol. 47, no.4, 1995, 305-319 (with R. Sproule and D. Hum)

"Labour Supply Estimation and Public Policy," *Journal of Economic Surveys*, vol. 8, no.1, 1994, 57-81 (with D. Hum)

"Whatever Happened to the Guaranteed Income Project in Canada?" *Canadian Public Administration* 36, vol. 36, no.3, 1993, 442-450 (with D. Hum)

"Economic Response to a Guaranteed Annual Income: Experience from Canada and the United States," *Journal of Labor Economics*, vol. 11, no.1, part 2, 1993, S263-S296; also issued as discussion paper no.25, Centre for Labour and Social Policy, University of Trier, 1991 (with D. Hum)

"The Economics of Commuting and the Urban Labour Market: A Survey," *Journal of Economic Surveys* 6:1, vol. 6, no. 1, 1992, 45-62 (with A. van der Veen)

"Starting Even? Job Mobility and the Wage Gap Between Young Single Males and Females," *Applied Economics*, vol. 22, June, 1990, 723-737

"Workplace Location, Residential Location, and Urban Commuting," *Urban Studies*, vol. 24, April, 1987, 119-28

"Analysis of Part-time Pay in Canada, *Canadian Journal of Economics*,

vol. 19, November, 1986, 798-807

"Unions, Industrial Concentration, and Wages: A Re-examination,"  
*Applied Economics*, vol. 18, March, 1986, 305-17

"The Impact of Unions on the Structure of Canadian Wages: An  
Empirical Analysis with Microdata," *Canadian Journal of Economics*, vol.  
18, February, 1985, 164-81

"An Econometric Analysis of Industrial Training in Canada," *Journal of  
Human Resources*, vol. 19, Fall, 1984, 435-51

"On the Appropriate Spatial Unit for Labour Market Analysis and Policy  
Design," *Urban Studies*, vol. 20, November, 1983, 487-9

"The Economics of Mileage Restrictions for Railway Workers in Western  
Canada," *Relations Industrielles*, vol. 38, no. 1, 1983, 95-103 (with F.  
Peters)

"The Off-farm Work Behaviour of Farm Operators," *The American  
Journal of Agricultural Economics*, vol. 65, November, 1983, 801-5 (with  
M. Kapitany)

"Job Search and the Effect of Urban Structure on Unemployment and  
Married Female Participation Rates," *Applied Economics*, vol. 14, April,  
1982, 153-65

"A Simultaneous Model of Workplace and Residential Location  
Incorporating Job Search," *Journal of Urban Economics*, vol. 8, 1980,  
330-49

### **Other Articles:**

"The Decline of Canadian Economics," *Policy Options*, September-  
October, 2013, 4-5 (with  
H. Emery and S. Tapp)

"Adult Immigrants: How Well Are They Trained?" *Education Quarterly  
Review*, vol.9, no.3, 2003, 17-22 (with D. Hum)

"Do Immigrants Catch Up Economically?" *Policy Options*, vol.22, no.30,  
March, 2002, 47-50 (with D. Hum)

"Adult Training in Canada: Snapshots from the Nineties," *Education  
Quarterly Review*, vol.8, no.2, 2002, 26-32 (with D. Hum)

"A Guaranteed Annual Income? Mincome to the Millennium," *Policy  
Options*, January/February, 2001, 78-82 (with D. Hum)

"Not All Visible Minorities Face Labour Market Discrimination" *Policy Options*, vol. 21, December, 2000, 45-48 (with D. Hum)

"Aspects of Labour Market Behaviour: Essays in Honour of John Vanderkamp (Louis N. Christofides, E. Kenneth Grant and Robert Swidinsky, eds.)" *Canadian Public Policy*, vol. 22, no.4, 1996, 379-380

"Can Training Reduce Unemployment?" *Policy Options*, vol. 17, no.6, July/August, 1996, 59-64 (with D. Hum)

"Employment Equity and People with Disabilities: The Need for Separate Treatment," *Policy Options*, vol. 14, 1993, 30-32 (with D. Hum)

"No Hope for Citizens Income in Canada?," *BIRG: Basic Income Research Group Bulletin* No. 16, July, 1993, 26-27 (with D. Hum)

"Demogrant Transfers in Canada and the Basic Income Standard," *BIRG: Basic Income Research Group, Bulletin* No. 15, July, 1992, 9-11 (with D. Hum)

"Whither Unemployment? A Review of Yoram Weiss and Gideon Fishelson (eds.), *Advances in the Theory and Measurement of Unemployment* (New York: St. Martin's Press, 1990) and Ralf Hussmanns, Farhad Mehran and Vijay Verma *Surveys of Economically Active Population, Employment, Unemployment and Underemployment: An ILO Manual on Concepts and Methods* (Geneva: International Labour Office, 1990)," *The Review of Income and Wealth*, vol. 38, no. 3, September, 1992, 355-359.

"Variations to Work Incentive Plans: A Simulation of the Manitoba Case," *Western Economic Review*, vol. 3, March, 1984, 26-48 (with D. Hum)

"The Interpretation and Application of Tobit Regression," *Western Economic Review*, vol. 3, July, 1984, 84-9

"Work Incentives and Welfare: Evidence from the Mincome Baseline for Adult Males," *Western Economic Review*, vol. 2, December, 1983, 17-25 (with J. Ehnes)

### **Research Reports and Technical Papers:**

"Immigrant Retirement Prospects: From Bad to Worse?" Center for Comparative Immigration Studies Working Paper No. 183, University of California San Diego, March, 2009 (with D. Hum) at:

<http://ccis.ucsd.edu/2010/01/immigrant-retirement-prospects-from-bad-to-worse-working-paper-183/>

"The Legacy of Immigration: Labour Market Performance of the Second Generation," Prairie Centre of Excellence for Research on Immigration and Integration Working Paper Series, University of Alberta, June, 2005 (with D. Hum)

*Participation in Adult Training by Canadians in the 1990s: A Multivariate Analysis Using AETS Data*, Series R-01-9-SE. Ottawa: Applied Research Branch, Human Resources Development Canada, 2002 (with D. Hum)

"Analyzing the Economic Assimilation of Canadian Immigrants Using Panel Data," Working Paper 75F0002MIE - 01009, Income Statistics Division, Statistics Canada, October, 2001 (with D. Hum)

*Microeconomic Theory and Its Applications I 018.245*, Distance Education Program, Continuing Education Division, University of Manitoba, 1999

*Microeconomic Theory and Its Applications II 018.246*, Distance Education Program, Continuing Education Division, University of Manitoba, 1999

"Wage Opportunities for Visible Minorities in Canada," SLID Working Paper no. 98-17, Statistics Canada, Ottawa, November, 1998 (with D. Hum)

"Econometric Analysis of Canadian Self-Employment Using SLID," SLID Working Paper no. 98-16, Statistics Canada, Ottawa, November, 1998 (with R. Sproule)

"Labour Market Intermittency and Earnings in Canada," SLID Working Paper no. 97-12, Statistics Canada, Ottawa, 1997

*Microeconomic Theory and Its Applications II 018.246*, Distance Education Program, Continuing Education Division, University of Manitoba, 1996

"Sources of Income for Persons with Disabilities in Canada," Employment Equity Data Program, Statistics Canada, Ottawa, 1994 (with D. Hum)

"Life Cycle Incidence and Employment of Persons with Disabilities in Canada," Employment Equity Data Program, Statistics Canada, Ottawa, 1994 (with D. Hum)

"The Economic Well-Being and Labour Market Activity of Persons with Disabilities in Canada," Employment Equity Data Program, Statistics Canada, Ottawa, May, 1993 (with D. Hum)

"Which Employers Train? Sectoral Evidence on Employer-Based Training in Canada," a study prepared for Labour Market and Policy Analysis, Strategic Policy and Planning, Employment and Immigration Canada, Ottawa, March, 1993 (with D. Hum)

"Life Cycle Incidence and Employment of Persons with Disabilities in Canada," a study prepared for the Employment Equity Data Program, Statistics Canada, Ottawa, April, 1993 (with D. Hum)

"Sources of Income of Persons with Disabilities in Canada," a study prepared for the Employment Equity Data Program, Statistics Canada, Ottawa, April, 1993 (with D. Hum)

"Employer-Based Training in Canada: Is There Enough?" A study prepared for Labour Market and Policy Analysis, Strategic Policy and Planning, Employment and Immigration Canada, Ottawa, June, 1992 (with D. Hum)

"Design Proposal for an Experimental Wage Subsidy Program," a study prepared for the Innovations Program, Employment and Immigration Canada, Ottawa, February, 1991 (with D. Hum and D. Sabourin)

"Employer-Based Training in Canada: A Survey of the Information and Issues," prepared for Strategic Policy and Planning, Employment and Immigration Canada, December, 1988

"An Exploration of the Microfoundations of Internal Migration in Manitoba," prepared for the Review of Demography and the Implications for Economic and Social Policy, September, 1988 (with G. Mason)

"Implications of Demographic Changes for the Labour Market: Labour Supply, Unemployment, and Earnings," prepared for the Federal Government Task Force on the Review of Demography and Implications for Economic and Social Policy, Health and Welfare Canada, October, 1986

"An Economic Analysis of Industrial Training in Canada," Discussion Paper No. 224, Economic Council of Canada, 1983.

"The Manitoba Work Incentives Plan: An Assessment of Administrative Issues and Possible Design Variations," commissioned by the Manitoba Task Force on Social Assistance, June, 1983 (with D. Hum)



"The Relationship Between Wages and Family Income in Canada,"  
Labour Canada Discussion Paper, January, 1981

"Wage Structure and Stagflation in the 1970s," Discussion Paper No.  
161, Economic Council of Canada, February, 1980

### **Unpublished Conference/Seminar Papers:**

"Social Assistance in Manitoba," paper presented to the conference on  
Welfare Reform in Canada: Provincial Social Assistance in Comparative  
Perspective sponsored by the Johnson-Shoyama Graduate School of  
Public Policy, Regina, October 24-25, 2013

"Banking Relocation and the Inner City," paper presented to the  
Canadian Economics Association annual meeting, Montreal, May, 2013;  
also appearing as "The Dynamics of Financial Institution Location in  
Toronto: Who Is Serving the Inner City?" SSRN working paper available  
online at: [http://papers.ssrn.com/sol3/papers.cfm?](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2371931)  
[abstract\\_id=2371931](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2371931)

"The Decline of Canadian Economics: Implications for Canada's  
Economics Journals," Canadian Public Policy lecture (invited), Canadian  
Economics Association, Calgary, June, 2012

"The Effectiveness of Balanced Budget Legislation: Lessons from  
Western Canada," invited seminar at the Johnson Shoyama Graduate  
School of Public Policy, University of Saskatchewan and at the  
Manitoba Association of Business Economists, April, 2012

"Promise Meets Reality: Balanced Budget Legislation in Western  
Canada, 1991-2010" paper presented at the annual meeting of the  
Canadian Political Science Association, Wilfrid Laurier University, May  
16, 2011 (with J. Wesley)

"The Retirement Prospects of New Immigrants – From Bad to Worse?"  
paper presented to the Manitoba Association of Business Economists,  
Dec. 4, 2008 (with D. Hum)

"The Impact of Health on Labour Supply Over the Life Cycle," paper  
presented to joint sessions of the Canadian Labour Market and Skills  
Researcher Network (CLSRN) and the Canadian Economics Association,  
Vancouver, June 5, 2008, and to the Oxford Business and Economics  
Conference 2008, Oxford, June 23, 2008, submitted to the *Journal of*  
*Human Resources* (with D. Hum and E. Fissuh)

"Finding the Best NCB Program Mix," paper prepared for the  
Federal/Provincial /Territorial National Child Benefit Evaluation  
Workshop Expert Panels, Toronto, June 13- 15, 2006

"Modelling Immigrant Prospects Using Microdata: Modern Issues and Applications," paper presented at EcoMod2005 International Conference on Policy Modeling, Istanbul, June 29-July 1, 2005 (with D. Hum)

"Determinants of Elderly Living Arrangements: Evidence from Aging in Manitoba Longitudinal Data, 1971-96," paper presented at the Canadian Health Economists Study Group Meetings, Toronto, May 25-26, 2005 (with S. Sarma)

"Assessing the Prospects of Immigrants to Canada: Evidence from Microdata on Immigrant Integration," paper presented at the University of Melbourne Institute of Applied Economic and Social Research, January, 2005 and at the Departments of Economics of the Universities of Wollongong and Western Sydney (Campbelltown), March, 2005

"Immigrant Integration in the Labour Market," invited seminar, Centre for International Governance and Innovation, University of Waterloo/Wilfrid Laurier University, Oct 15, 2004

"Does Non-profit Health Insurance Reduce Financial Burden? Evidence from the Vietnam Living Standards Survey Panel," paper presented to the Canadian Economics Association meetings, Toronto, June 4-6, 2004 (with A. Sepehri and S. Sarma)

"Assessing Immigrant Economic Performance using Panel Data," paper presented to the Workshop on Recent Immigrant Labour Market Performance: An International Perspective, 8<sup>th</sup> International Metropolis Conference, Vienna, Austria, September 15-19, 2003 (with D. Hum)

"An Analysis of the Quality of Life in Canada and Germany," UM/Trier Conference, Trier, Germany, May 12-13, 2003 (with D. Hum)

"Analysis of the Performance of Immigrant Wages Using Panel Data," paper presented to the 10<sup>th</sup> International Conference on Panel Data, German Institute for Economic Research, Berlin, Germany, July 5-6, 2002 (with D. Hum)

"Training Activity by Adult Immigrants in Canada," paper presented to the Canadian Employment Research Forum Conference on Immigration, Canadian Economics Association meeting, Calgary, May30-31, 2002 (with D. Hum)

"Selectivity and Immigration in Canada," paper presented to the PCERII Conference on "Building on Strength: Supporting Policy and Practice Through Immigration and Integration Research," Winnipeg, November 8-10, 2001 (with D. Hum)

"Wages and Labour Supply of Immigrants and Visible Minorities," paper presented at the CERF/IRPP conference on "Creating Canada's Advantage in an Information Age," Ottawa, May 4-6, 2000 (with D. Hum)

"Transition and Skills Development Through Education, Training and Work Experiences: A Follow-up Study of Seven Oaks School Division," paper presented to the 3<sup>rd</sup> annual meeting of the Western Research Network on Education and Training, University of British Columbia, February 26, and to the Annual Meeting of the American Educational Research Association, Montreal, April 19-23, 1999 (with L. Taylor, K. McClure, B. Graham and B. Levin)

"The Personal and the Economic: the Effects of Gender, Family and Culture on Education and Employment," presented to the plenary session of the 2<sup>nd</sup> annual meeting of the Western Research Network on Education and Training, University of British Columbia, January 24, 1998

"A Microeconomic Analysis of Canadian Self-Employment," seminar presented at the Department of Economics, the University of Manitoba, October, 1998 (with R. Sproule)

"Reducing Unemployment in an Era of Low Inflationary Expectations," paper presented at the Symposium of the Institut für Empirische Wirtschaftsforschung, Berlin, March 19-20, 1998 (with D. Hum and N. Cameron)

"The Production Responses of the Competitive Firm to Three Conventional Distributional Shifts: Towards an Integrated Perspective," seminar presented to the Universities of Stockholm, Orebro, and Jonkoping, Sweden, April-May, 1998 (with R. Sproule)

"Evaluating Farm Income Distribution and Stabilization Programs," seminar at Agriculture Canada, Ottawa, March, 1995 (with D. Hum and D. Kraft)

"Revisiting the GAI: Fair and Affordable Income Security for all Canadians," paper prepared for the Conference on Economic Policy at Laurentian University and the Economic Seminar at the University of Manitoba, March, 1995 (with D. Hum)

"Analysis of On-the-Job Training Incidence from Household Microdata," paper presented to the Bank of Canada Research Department, July 26, 1994

"Profile of Persons with Disabilities in Canada," paper presented to the

Canadian Paraplegic Association, Winnipeg, May, 1994

"A Guaranteed Annual Income: Some Design Issues for Persons with Disabilities," paper presented to the Canadian Paraplegic Association, Winnipeg, May, 1994

"Dimensions and Causes of Unemployment," 1994 Paulinian Conference, St. Paul's College, University of Manitoba, February 18, 1994

"The Statistical Methodology of Mincome," presented to the Statistical Association of Manitoba, November, 1991

"Residential and Workplace Location and Wage Gradients," presented to the 31st European Congress of the Regional Science Association, Lisbon, Portugal, August, 1991 (with A. van der Veen)

"Estimating Labour Supply Functions: The Relative Contribution of Econometric Refinements and Data Improvements," presented to the Economic Council of Canada, Ottawa, September, 1989 (with D. Hum)

"Urban Mobility and Workplace Choice: Theory and Applications," presented to the 29th European Congress of the Regional Science Association, Cambridge, U.K., August, 1989

"Where There's a Way is There a Will? Public Policy and Income Inequality in Canada," presented to the Conference on Trends in Social Inequality, University of Western Ontario, October, 1986 (with D. Hum)

"Estimation of Family Labour Supply from Canadian Microdata," presented to the annual meeting of the Canadian Economics Association, May, 1986 (with D. Hum)

"Farm Wealth and Income Data Requirements: An Economic Perspective," presented to the Statistics Canada Workshop on the Theory and Practice of Agricultural Wealth Accounts, Ottawa, February, 1985

"Longitudinal Labour Supply Studies Using Mincome Data," presented to the special session on Mincome at the Learned Societies Meetings, June, 1984

"Risk, Job Search, and Wage Variation," presented to the annual meeting of the Canadian Economics Association, June, 1980

### **Unpublished Papers:**

"Promise Meets Reality: Balanced Budget Legislation in Western Canada, 1990-2010,  
submitted to *Parliamentary Affairs*, July, 2011 (with J. Wesley)

"Disability Benefits and Disability Conversion: Evidence from a Canadian Provincial Welfare Program," submitted to the *Journal of Human Resources*, January, 2011 (with H. Stevens and S. Frankel)

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"The Sensitivity of Life Cycle Labor Supply Parameter Estimates to Sample Selection," University of Manitoba, August, 2009 (with E. Fissuh)

"The Sensitivity of Health Effects on Wages to Individual Heterogeneity and Sample Selection Correction: Panel Data Evidence from Canada," University of Manitoba, January, 2009, submitted to the *Journal of Health Economics* (with E. Fissuh)

"The Healthy Immigrant Effect and the Canadian Exception," University of Manitoba, November, 2008 (with D. Hum)

"An Analysis of the Demand for Health Capital in Canada," mimeo, University of Manitoba, December, 2003 (with S. Sarma)

"The human capital model of the demand for health: empirical findings from NPHS data," mimeo, University of Manitoba, October, 2002 (with S. Sarma)

"Competitive Production and Risk-Response Equilibria," mimeo, U of Manitoba, 1997 (with R. Sproule)

"The Structure of Opportunity in Canadian Labour Markets: Colour, Hue and Birthplace," seminar at the University of Manitoba, 1997 (with D. Hum)

"Freeze but Don't Cut: Wage Setting in an Environment of Low Inflation," mimeo, University of Manitoba, April, 1997 (with N. Cameron and D. Hum)

"Which Sectors Train? An Analysis of Employer-Based Training in Canada," mimeo, University of Manitoba, September, 1996 (with D. Hum)

"Specification of On-the-Job Training Incidence," mimeo, University of Manitoba, August, 1994 (with R. Sproule and D. Hum)

"Portfolios with One Safe and One Risky Asset: The Marginal Effect in the Large and in the Small," mimeo, University of Manitoba, 1994 (with

R. Sproule)

"A Limit Theorem Regarding the Equivalence of the Sign of the Marginal and Global Effects of Risk in a Two-Asset Portfolio," mimeo, February, 1994 (with R. Sproule)

"A Sign-Correspondence Theorem for the Marginal and Global Effects of Risk: The Case of Two-Argument Utility Functions," mimeo, University of Manitoba, June, 1993 (with R. Sproule)

"Signing the Marginal Effect of Risk by Restricting the Functional Form of the Outcome Variable," mimeo, University of Manitoba, 1993 (with R. Sproule)

"A Restriction-Free Approach to Signing the Marginal Effect of Output-Price Risk for the Cooperative Firm," mimeo, University of Manitoba, May, 1993 (with R. Sproule)

"The Relationship Between the Marginal and the Global Effects of Risk, and its Implication," mimeo, University of Manitoba, May, 1993 (with R. Sproule)

"Risk Always Reduces Output: Signing the Marginal Effect of Output-Price Risk for the Competitive Firm," paper presented to the University of Manitoba Department of Economics, Feb. 26, 1993 (with R. Sproule and D. Hum )

"Social and Employment Policy: A North American Perspective," paper presented to the Macro Economic Research Group and the Department of Economics, University of the Witwatersrand, Johannesburg, South Africa, February, 1993

"Signing the Marginal Effect of Multiplicative Risk from First Principles: The Case of Two-Argument Utility Functions," mimeo, University of Manitoba, November, 1992 (with R. Sproule)

"Labour Supply Analysis of an Income Maintenance Experiment: Results from Mincome," January, 1992 (with D. Hum)

"Employer-Based Training Policy in Canada," May, 1990 (with D. Stambrook)

"Family Labour Supply Behaviour of Low-income Families in the Manitoba Basic Annual Income Experiment," December, 1987 (with D. Hum, A. Basilevsky, and D. Sabourin)

"Seasonal Variation in Interest Rates Revisited," November, 1986 (with R. Sproule)

"Equilibrium and Labour Market Theory," June, 1986

"The Antipoverty Impact of Income-Tested Transfers and Wage Subsidies," April, 1986 (with D. Hum)

"Wealth Accumulation, Off-farm Income, and the Well-Being of Canadian Farmers: A Test of the Life Cycle Perspective," March, 1986 (with D. Freshwater)

"Sectoral Employment Shifts and Unemployment in Canada," June, 1985 (with K. Prystawski)

"Why Larger Establishments Have Higher Labour Productivity and Wage Rates: A Theory," February, 1984

"What is Union Density Doing in Wage and Union Status Equations?" August, 1984

"A Test for the A-J Effect in the Operations of Bell Canada, 1952-76," 1983 (with R. Sproule and R. Clement)

"Estimates of the Impact of Productivity Increases on Corporate Profits in the Telecommunications Industry: The Case of Bell Canada, 1952-76," 1983 (with R. Sproule and R. Clement)

"Tax Evasion and Labour Supply under Risk Neutrality," 1983 (with R. Sproule)

"Technological Efficiency of Full- and Part-time Farmers: Saskatchewan, 1978," 1982 (with D. Freshwater)

"Factors Impeding the New Technological Wave: An Economic Perspective," 1982

"An Analysis of the Structure of Canadian Wages, 1974 and 1979," 1981

"A Hedonic Approach to the Analysis of Wage Structure: Toward a Reconciliation of Orthodox and Unorthodox Theories," University of Manitoba Working Paper 197907, October, 1979

"The Effects of Establishment Size on Wage Rates: Some Further Evidence," University of Manitoba Working Paper 197906, September, 1979

"Evolutionary Theory and Limited Knowledge in a Dynamic Model of the Firm in Urban Space," November, 1978

"A Framework for the Evaluation of the Economic Effects of Minimum Wages," Economic Analysis Branch, Labour Canada, February, 1978

"Manpower Policy: An Economist's Perspective," Economic Analysis Branch, Labour Canada, February, 1978

"Limited Knowledge, Urban Structure and Labour Markets," PhD dissertation, London School of Economics, December, 1977

### **Research Grants:**

(2011-2012) Canadian Public Policy/Analyse de Politiques, "Canadian Academics and Canadian Economics: Is the Publishing Landscape Changing?" \$5,000

(2008-2010) Prairie Metropolis Centre Research Grant, "The Retirement Prospects of Immigrants: Will it Require a New Social Contract?" \$12,000 (with D. Hum)

(2005-2008) CIHR Grant, "Town With No Poverty: Assessing the Long-term Consequences of a Canadian Guaranteed Income Experiment," \$60,447 (with E. Forget (PI), N. Roos, and D. Hum)

(2005-2006) Prairie Centre of Excellence for Research on Immigration and Integration Research Grant, "Immigrant Health Status and Work Activity," \$14,100 (with D. Hum)

(2004-2005) Prairie Centre of Excellence for Research on Immigration and Integration Research Grant, "Economic assimilation of Canadian immigrants: cross-sectional vs panel data estimates," \$14,540 (with D. Hum)

(2003-2005) SSHRC/Canadian Centre for Policy Alternatives (Manitoba) Research Grant, "The Economic Theory of Community Economic Development and the New Economy," \$20,000 (with J. Loxley and I. Hudson)

(2003-2004) Prairie Centre of Excellence for Research on Immigration and Integration Research Grant, "Short-term, Medium-term and Long-term Performance of Immigrants," \$63,412 (with P. Li, R. Wanner, S. Halli, L. Wilkinson, and D. Hum)

(2002-2003) SSHRCC New Economy Research Grant, "Education, Training and Job Outcomes in the New Economy," \$15,000 (with I. Hudson)

(1996-2001) SSHRCC Strategic Research Network Grant in Education and Training Outcomes, \$225,000 for five years (with B. Levin at U of



Manitoba as well as collaborators at UBC, U of Victoria and U of Alberta)

(2001-2002) Prairie Centre of Excellence for Research on Immigration and Integration Research Grant, "Immigrant Training," \$15,000 (with D. Hum)

(2000-2001) Prairie Centre of Excellence for Research on Immigration and Integration Research Grant, "Immigrants and Selectivity," \$9,000 (with D. Hum)

(1999-2000) Prairie Centre of Excellence for Research on Immigration and Integration Research Grant, "Earnings and Employment of Visible Minority Immigrants," \$11,794 (with D. Hum)

(1999-2000) Centre on Aging Research Grant, "Disability, Aging and Work," \$1,000 (with D. Hum)

(1989) UM/SSHRC International Conference Travel Grant to attend the 29th European Congress of the Regional Science Association, Cambridge, U.K., August 29-September 1, \$997.

(1988-90) SSHRC Research Grant, "Analysis of Short Run Growth in Earnings and Hours in Canada," \$10,200.

(1987-9) Review of Demography and its Implications for Economic and Social Policy Research Grant, "The Demographic Structure of Prairie Canada: a Micro Analysis," \$40,000 (with Greg Mason).

(1985-8) SSHRC Research Grant, "Analysis of Labour Supply Behaviour in the Manitoba Basic Annual Income Experiment," \$86,905.68 (with A. Basilevsky and D. Hum)

(1984-5) UM/SSHRC Research Grant, "Analysis of Job Search, Workplace Location and Urban Labour Market Dynamics with Particular Application to Canada," \$1700.

(1984-5) Labour Canada-Universities Research Grant, "The Relationship Between Wages and Family Income: Further Evidence and Policy Application," \$3500 (with Derek Hum).

(1983-4) SSHRC Research Grant, "Economic Analysis of the Structure of Canadian Wages," \$10,238.

(1982-3) Agriculture Canada Grant with David Freshwater, "The Distribution of Income and Wealth in Canadian Agriculture," \$10,800.

(1982-3) UM/SSHRC Research Grant, "Economic Data Retrieval and

Analysis System," \$520.

(1981-2) Agriculture Canada Grant, "Relative Efficiency of Full- and Part-time Farmers," \$7500 (with David Freshwater)

(1980-1) Labour Canada-University Research Grant, "The Determinants of Canadian Occupational Wage Structure, 1974-79," \$4000.

## **Administrative Responsibilities**

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### **Dept. of Economics, U. of Manitoba**

Steering Committee, chair, 2009-11, 2012-13

Head, 1997-2008

Acting Head, 1987-8, 1991-2

Associate Head, 1984-5, 1988-91, 1992-6, 2013

Graduate Studies Committee, 1980; chair, 1986-7, 1989-91, 1993

Appointments and Renewals Committee, 1986-7

Research Committee, 1986-7

Computer Committee, 1981-4 and 1988-9

General Studies Committee, 1980-3; chair, 1981-2

Labour Studies Committee, 1981-2

Library Committee, chair, 1979-80

### **Faculty of Arts, U. of Manitoba -**

Faculty of Arts Executive Committee, 2012-15

Faculty of Arts Tenure and Promotion Committees (6), 2012-13

Hiring Committee for Econometrics, Department of Economics, 2012

University Senate Representative, Faculty of Arts 2009-12

Faculty of Arts Executive Committee, 2012-15

Strategic Enrolment Management Committee, 2011

Nominating Committee, 2007-09

Centre on Aging Scholarship Adjudication Committee, 2003-4

Professor of the Year Award Committee, 2002

Head Search Committee, Department of Sociology, 2002

Head Search Committee, Department of Linguistics, 2001

Head Search Committee, Department of Native Studies, 1999-2000

Inquiry into the Climate in the Dept. of Political Studies, 1995

Policy Committee, 1994-5

Appeals Committee, 1994-5

Headship Search Committee for Sociology, 1992

Nominating Committee, 1991-3

Ad Hoc Committee on Undergraduate Enrollment, 1991-2

Headship Selection Committee for Economics, 1984 and 1987

Executive Board, Institute for Social and Economic Research, 1984-6

Research Committee, 1983-4

Computer Users' Committee, 1982-4

### **Other University of Manitoba**

Tenure Committee, Asper School of Business, 2009  
 Interim Management Team, University of Manitoba Research Data  
 Centre, 2003-4  
 Presidential Committee to Appoint Dean of Arts, 1998-9  
 Presidential Committee for Appointment of Dean of Management,  
 1998-9  
 Head Search Committee, Department of Family Studies, Faculty of  
 Human Ecology, 1998-9  
 University Staff Benefits Committee 2000-2002  
 UMFA Staff Benefits Committee, 2000-  
 UM/UMFA Joint Scholarship Program Committee, 1998-99  
 UM/UMFA Joint Salary Structure Committee, 1999-  
 UM/UMFA Promotion Appeal Committee, chair, 1995  
 U of Manitoba Research Grants Committee, 1994-6  
 Agricultural Economics Program Committee, 1994  
 UMFA/UM Systemic Differences Committee, 1992-  
 University Collective Bargaining Team with CUEW, 1990  
 UMFA Collective Agreements Committee, 1984-5, 1989-90, 1993-94,  
 1998-; chair, 1986-7  
 UMFA Salaries Committee chair, 1980-6  
 UMFA Bargaining Advisory Committee, 1983  
 UMFA Board of Representatives, 1980-3  
 UMFA Executive, 1981-2  
 UMFA Collective Bargaining Team, 1981

### **Other Professional Activities**

Affiliated Researcher, Education Policy Research Initiative, University of  
 Ottawa  
 Executive Council, Canadian Economics Association, 2013-  
 Purvis Prize Committee for contribution to Canadian economic policy,  
 Canadian Economics Association, 2009-10  
 Editorial Advisory Board, *Canadian Public Policy*, 2008-13  
 Executive Committee of the Board of Governors, Prairie Metropolis  
 Centre, 2008-2011  
 Board of Governors, Prairie Metropolis Centre, 2007-2011  
 Ontario Council of Graduate Studies Appraiser for Ottawa/Carleton  
 PhD, Wilfrid Laurier  
 MABE, and Lakehead University MA, 2009-10  
 Premiers Economic Advisory Committee Competitiveness Task Group,  
 April, 2005-  
 Visiting Professor, University of Wollongong, Australia, January-April,  
 2005  
 External Reviewer, Department of Economics, Lakehead University,

2003

External Reviewer, Department of Economics, University of Winnipeg,  
2001

Fellow and Faculty Associate, Lincoln Institute of Land Policy  
(Cambridge, Mass.),

December, 1991-

Editorial Board, *Canadian Journal of Economics*, 1986-9

Referee for: *Review of Economics and Statistics*, *Journal of Human Resources*, *Applied Economics*, *Canadian Journal of Economics*, *Canadian Public Policy*, *Regional Science and Urban Economics*, *Urban Studies*, *Journal of Regional Science*, *American Journal of Agricultural Economics*, *Journal of International Migration and Integration*, *Education Economics*, *Economics of Education Review*, *Relations Industrielles/Industrial Relations*, *Canadian Ethnic Studies*, *Environment and Planning A*, *Papers in Regional Science*, McGill-Queen's University Press, Economic Council of Canada, Queen's-University of Ottawa Economic Projects, Addison-Wesley Publishers, SSHRCC, Alberta Heritage Foundation for Medical Research SSHRC Doctoral Fellowships Committee, 1986-8; chair, 1988 SSHRC Research Grants Committee on the Integration of Persons with Disabilities, 1995

Economic Consultant to the Private Practice Physiotherapists of Manitoba, 1987-8

Social Planning Council of Winnipeg Ad Hoc Committee on Employment, 1985-6

Editorial Board, *Western Economic Review*, 1982-3

Consulting Editor, *Worklife Magazine*, 1979-80

## Harvey Stevens, M.A.

### Education:

- 1973 M.A. in Sociology from the University of Toronto with a specialization in research methods.
- 1989 to 1990 Undergraduate courses in Economics from the University of Manitoba in 1989/90 (Introduction to Economics, Economics of Social Policy, Micro-economics)

### Employment:

2009 to 2013

Consulting work for Healthy Child Manitoba. The projects have included:

- Design, implementation and analysis of a randomized control trial (RCT) evaluation of an enriched child care program for families living in the Lord Selkirk Park housing development.
- Design, implementation and analysis of a RCT evaluation of an employment training program for youth involved in the provincial justice system.
- Design, implementation and analysis of a RCT evaluation of a summer enrichment program for inner-city grade school children

Net Impact assessment of the Portable Housing Benefit program administered by the provincial government. It involved tracking the program group and a comparison group both before and after entry into the program to determine housing mobility and consumption of emergency health services.

2006 to 2009

Senior Policy Analyst with Healthy Child Manitoba – half-time secondment since November 2006.

My duties included:

- Preparation of an evaluability assessment of the 18 provincial programs designated as 'early childhood development-centred'. This assessment involved a review of the type of data collected by each program and a determination of which programs were amenable to a net impact evaluation and cost-effectiveness analyses.
- Development of an analytical data base of children born in 2000 and 2001 that contained the following information, linked on a child-specific basis using the child's Personal Health Identification Number and/or their name and birthdate.
  - 37 risk indicators at birth as measured by the Baby First Screening Form;
  - EDI Scores at age five, as measured by the Early Development Instrument;
  - Involvement in the following programs between birth and age five – Families First, licenced child care, income assistance, child welfare, health immunization, children's special services.
- Analysis of the determinants of readiness to learn at age five, as measured by the EDI, including risk factors at birth and program involvements between birth and age five, using logistic regression analysis and the STATA propensity score matching program.

1990 to 2008

Senior Policy Analyst with the Policy and Planning Branch of the Department of Family Services and Housing. My work involved the following responsibilities:

- Evaluation of job creation and employment training programs for income assistance recipients. Over the years I assessed the impact of post-secondary education programs and pre-employment training programs like the Community Home Services program and the Opportunities for Employment (OFE) program. With the OFE program, I used the propensity score matching methodology to select a matched comparison group of income assistance recipients who did not participate in OFE. I then used monthly extracts from the Income Assistance program to track time spent on IA both prior to, during and after program involvement for both program and comparison group recipients. A comparison of the pre-post differences in time spent on IA provided the net impact estimates of the OFE program and provided the basis for a benefit-cost analysis.
- Design of special extracts of the income assistance data base (SAMIN) to support a broad range of analyses of income assistance use. These are monthly extracts of all income assistance recipients and cover the period from April 1999 onwards.

- Specialized analyses of the SAMIN monthly extracts. Staff within the Department regularly requested special analyses of the extract data; e.g. the number of persons with disabilities leaving assistance for employment over the last 12 months who have been on IA for at least 6 months prior to leaving.
- Co-management of federal-provincial evaluations conducted by external evaluators. I co-managed external evaluations of,
  - the Taking Charge! Program which provides employment training for single parents on income assistance. This was a formative and summative evaluation.
  - the impact of the National Child Benefit Supplement on the duration of income assistance spells in Manitoba, Saskatchewan and British Columbia;
  - the Labour Market Agreement for Persons with Disabilities in Manitoba. This was primarily a formative evaluation with a small gross impact and cost effectiveness component to it.
- Design and analysis of special extracts of the 1996 and 2001 Census that profiled the socio-demographic and economic conditions of the aboriginal population of Manitoba. The analysis of the data formed part of the information contained in the 2006 publication, *Aboriginal People in Manitoba* published by Service Canada.
- Design and costing of income transfer programs to low-income Manitobans. I designed and priced Manitoba versions of the National Child Benefit Supplement (The Manitoba Child Credit) and a Manitoba version of Saskatchewan's Earned Income Tax Credit.
- Preparation of background papers on the causes of poverty in Manitoba and the design of a made-in-Manitoba poverty line based on the federal Market Basket Measure (MBM) of poverty but using different thresholds for shelter and the 'other goods and services' component of the MBM.
- Design and implementation of a randomized control trial (RCT) of the Job Connections Initiative (JCI) which featured the hiring of 17 additional income assistance workers to work intensively with a small (25-30) caseload of social assistance recipients. In this RCT, eligible income assistance recipients were pre-screened by their income assistance counsellor for suitability. Half of those deemed suitable were randomly allocated to the program and assigned a JCI worker. The other half were assigned to the control group and provided with the 'normal' interventions. The outcomes were tracked using the monthly SAMIN extracts to determine the impact of the JCI on the duration of time on social assistance and levels of employment while on assistance.
- Design of data collection tools and analysis of time-use data provided by front-line staff in Winnipeg for 10 departmental programs. The time-use data is merged with both worker characteristics and client characteristics on a per-worker and per-client basis and multiple regression analysis is used to determine which types of activities and worker and client characteristics affect the amount of time spent with clients. Activity benchmarks are established by management and predicted actual and benchmark times are calculated with the differences indicating how workloads should be re-adjusted across workers and offices to enable the benchmarks to be met.
- Secondment to the Manitoba Centre for Health Policy (MCHP). On a 1 day per week basis during 2006 and 2007, I worked at the MCHP analyzing the child welfare involvement of children on income assistance. I merged child welfare data with the income assistance data for those children ever on income assistance between 1998 and 2004 and analyzed the determinants of child welfare involvement.

#### 1976 to 1990

Researcher and Policy Analyst with the Social Planning Council of Winnipeg. My work involved:

- Preparation of policy analyses of federal and provincial programs and policies related to social issues like income poverty.
- Design and analysis of surveys on child care use, housing conditions and youth needs in the inner-city;
- Creation of special extracts of census data and analyzing the data for Winnipeg. To cover the cost of this work, I pulled together a group of users from the City of Winnipeg Planning Department and the Universities in the mid-1980's to form a consortium that designed and cost-shared the purchase of the tabulations. This consortium continues to exist and is working on extracts from the 2006 Census.

1973 to 1976

Researcher with Mincome Manitoba. I investigated the effects of a guaranteed income on marital stability, geographical mobility and other social topics.

### **Research and Statistical Analysis Skills**

- Understanding of the strengths and limitations of alternative research designs.
- Experience with implementing both randomized control trials and propensity-score matching techniques for constructing comparison groups in evaluating employment training and early childhood development programs.
- Experience in conducting population surveys of child care use, housing conditions and youth needs and in analyzing the survey data.
- Extensive use of multiple regression analysis including Ordinary Least Squares, Logistic Regression and Tobit regression.
- With Census tabular data, use of the 'decomposition' technique to partition total observed change in poverty rates, over time, to that portion accounted for by change in the composition of the population and that portion accounted for by changes in the poverty rate within each population sub-group.
- High degree of fluency with the statistical package SYSTAT and some familiarity with SAS and STATA.

### **Publications**

Dean, James, Derek P.J. Hum and Harvey Stevens. "Reform Revisited: The 1990 Winnipeg Reassessment." *Canadian Tax Journal* 39.5 (1991): 1305-1312.

Stevens, Harvey. "The Effectiveness of Community Employment Programs for SA Recipients: An Evaluation of the City of Winnipeg's Community Services Programs." *Canadian Journal of Program Evaluation* (Summer 1997): 71-86.

Stevens, Harvey, W. Simpson and S. Frankel. 2011. "Explaining Declining Social Assistance Participation Rates: A Longitudinal Analysis of Manitoba Administrative and Population Data." *Canadian Public Policy*, XXXVII No. 2: 1-19.