



PUBLIC INTEREST ADVOCACY CENTRE
LE CENTRE POUR LA DEFENSE DE L'INTERET PUBLIC

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May 20, 2009

VIA Letter and E-Mail

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
P.O. Box 2319
27th Floor
2300 Yonge Street
Toronto, ON
M4P 1E4

Dear Ms. Walli

Re: EB-2008-0150
EB-2007-0722
EB-2008-0384
LEAP Working Groups Financial Assistance and Conservation
Nominations and Request for Costs - Vulnerable Energy Consumers
Coalition (VECC)

As Counsel to the Vulnerable Energy Consumer's Coalition (VECC), and, as directed in the Board's Letter of Invitation dated May 11, 2009, I hereby request that VECC's Nominations for the above Working Groups be accepted.

Interests Represented

VECC is a coalition of groups that represents the interests of those energy consumers who, because of their household income, or other distinguishing characteristic such as age, literacy, etc, have a set of concerns that may differ in kind, and, in magnitude, from those of more affluent residential consumers as well as commercial and industrial consumers. The Vulnerable Energy Consumers Coalition (VECC) is currently comprised of the Ontario Coalition of Senior Citizens (OCSCO), and the Federation of Metro Tenants Association.

OCSCO is itself a coalition of over 120 senior groups, as well as individual members, across Ontario. OCSCO represents the concerns of over 500,000 senior citizens through its group and individual memberships. OCSCO's objective is to improve the quality of life for Ontario Seniors.

The Federation of the Metro Tenants Association is a non-profit corporation composed of over ninety-two affiliated tenants associations, individual tenants, housing organizations, and members of non-profit housing co-ops.

Although the organization is not itself a member of VECC, the Public Interest Advocacy Centre (PIAC) in Ottawa assists in the representation of the interests of vulnerable consumers by ensuring the availability of competent representation and advice to the VECC intervention.

VECC Nominations

VECC has been an active participant in OEB regulated CDM/DSM activities for many years.

VECC believes that the Consortium meets the criteria set out in the Board's Letter i.e.

"The members of the LEAP working groups should represent identifiable constituencies, including low-income and other ratepayers, environmental interests, social service providers, gas distributors, electricity distributors, and various levels of government.

VECC wishes to nominate the following as qualified individuals that will provide important relevant experience, information and critical analysis to the two Working Groups

As requested, a short statement demonstrating relevant experience and qualifications is provided as part of each nomination.

Nominee for Financial Assistance Working Group

Mr William O. Harper
Senior Consultant
Econalysis Consulting Services,
34 King Street East, Suite 1102, Toronto, Ontario, M5C2X8.
wharper@econalysis.ca

Mr Harper is well known to the Board as a highly experienced individual who has worked in the Electricity Sector in Ontario for many years. He has been qualified in 6 Provinces as an expert in regulatory matters, including rate design and cost allocation. This expertise will allow him to contribute to the discussion and analysis of options for collection and allocation of the funds for the financial assistance component of LEAP.

Mr Harper's CV is attached.

Nominee for Conservation/DSM Working Group

Dr. Roger Higgin, Managing Associate,
Econalysis Consulting Services,
34 King Street East, Suite 1102, Toronto, Ontario, M5C2X8.
rhiggin@econalysis.ca

Dr Higgin has been involved in OEB-sanctioned Conservation since E.B.O. 169. He has provided Consulting support to VECC for almost 10 years during which time he has participated in numerous CDM/DSM proceedings and gas and electric industry CDM/DSM consultative, including Union Gas, Enbridge Gas Distribution and the Ontario Power Authority. He has been qualified as an expert in regulatory treatment of residential and Low Income CDM/DSM in Manitoba and Quebec and is particularly qualified to contribute to the discussion and analysis of Framework Issues identified for the Conservation/DSM Working Group.

Dr. Higgin's CV is attached.

I would appreciate all communications be directed to Counsel until the Working Groups are convened:

Michael Buonaguro
34 King Street East, Suite 1102, Toronto, Ontario, M5C2X8.
mbuonaguro@piac.ca

VECC has been judged in the past to be eligible for recovery of its legitimate costs and requests its costs in this proceeding.

Its nominees are consultants that have over 30 years of relevant experience and have been accepted by the Board as qualifying for the Senior Consultant rate.

Yours truly,

Original signed

Michael Buonaguro
Counsel to VECC

Attachments:
CV W.O. Harper
CV R.M.R. Higgin

ECONALYSIS CONSULTING SERVICES

William O. Harper

Mr. Harper has over 25 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. Bill is currently a member of the Ontario Independent Electricity System Operator's Technical Panel.

EXPERIENCE

Econalysis Consulting Services- Senior Consultant 2000 to present

- 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*
 - OEB - 2006 Rate Applications by Various Electricity Distributors
 - OEB - 2006 Guidelines for Regulation of Prescribed Generation Assets
 - OEB - 2007 Rate Applications by Various Electricity Distributors
 - OEB- 2007 Cost of Capital and 2nd Generation Incentive Regulation Proceeding

- OEB - Hydro One Networks 2007/2008 Transmission Rate Application
- OEB – 2008 Rate Applications by Various Electricity Distributors
- OEB - Hydro One Networks 2009/2010 Transmission Rate Application
- OEB – 2009 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; 2007/09 and 2008/10 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 Transmission Corporation – Open Access Transmission Tariff Application - 2004
 - BCTC’s 2005/06; 2006/07 and 2008/10 Revenue Requirement Applications
 - BCTC’s – 2005 Vancouver Island Transmission Reinforcement Project
 - BCTC’s – 2007 Interior-Lower Mainland Transmission Application
 - Fortis BC’s 2005 Revenue Requirement and System Development Application
 - Fortis BC’s 2006; 2007, 2008 and 2009 Revenue Requirement Applications
 - Fortis BC’s 2007/08 and 2009/10 Capital Plan and System Development Plans
 - FortisBC’s 2007 Rate Design Application

- Electricity (Quebec)
 - Hydro Québec-Distribution’s 2002-2011 Supply Plan*
 - Hydro Québec-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

- 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
 - Rate of Return on Common Equity (BCUC)
 - Terasen Gas (Vancouver Island) LNG Storage Project (2004)

- 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 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 3rd Generation Incentive Regulation Working Group
 - Member of the IESO Technical Panel (April 2004 to Present)

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;
 - monitoring and intervening in other regulatory proceedings;
 - 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.
- Participated in a tariff study for the Ghana Power Sector, which involved the development of long run marginal cost-based tariffs, together with an implementation plan.

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

Roger M.R. Higgin

Roger Higgin has over 30 years of senior executive experience in the energy and environment sectors in both the public and private sectors.. His recent appointments include regulation of gas and electric utilities with the Ontario Energy Board. His 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.

As an Associate of ECS since 2000, he combines his policy, strategic business planning and regulatory experience in his consulting work

CONSULTING EXPERIENCE

**Econalysis Consulting Services- Managing Associate Senior Consultant
2000 to present**

- Provision of consulting and advisory services and regulatory intervention support for Electricity, Gas and Telecommunications Regulatory Proceedings
- Electricity
 - Hydro Quebec Interruptible Power Rate
 - OEB RUD Model for Distribution Rates
 - Stakeholder Consultative-Independent Market Operator (IMO)
 - Review of IMO 2002 Fees Submission
 - Review of IMO 2004 Fees Submission
 - Review of IESO 2005 Fees Submission
 - Review of OPA 2006 Fees Submission
 - Review of Manitoba Hydro Wuskwatim Project*
 - OEB Review of Electric C&DM Programs
 - OEB Review of 2006 EDR Rate Handbook
 - HQD PGEE 2006-2010*
- Natural Gas
 - OEB Gas Distribution Access Rule
 - OEB Natural Gas Forum 2004
 - OEB Generic Gas DSM 2006
 - Enbridge Gas Distribution (OEB)
 - Consultative on Comprehensive PBR Plan
 - Quarterly Rate Adjustment Mechanism Applications
 - Consultative on Demand Side Management
 - Review of Rates 2002-2007
 - Incentive Regulation Plan 2008-2012
 - Union Gas (OEB)
 - Unbundling of Rates and Services
 - Consultative on Demand Side Management
 - Quarterly Gas Cost Adjustment Mechanism Applications
 - Review of Rates 2004

- Review of 2005 DSM Program
- Review of 2006 Rates
- Review of 2006 Interim DSM Program
- Other
 - Regie Societe en Commandite Gaz Metropolitan 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*
 - Gazifere 2007 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

***Regulatory Testimony/Expert Opinion**

2007

Manitoba Public Utilities Board

Centra Gas DSM Program; Testimony Sponsored by CAC/MSOS

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 Metropolitan Unbundling of Rates

Testimony on Behalf of Option Consommateurs

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).
- Member of Rates and Licensing Committees of Board and team member for development of Codes.
- 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 Rates 1988-91
 - 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
 - Member Internal Rates Committee

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.

**Ontario Ministry of Energy
Executive Coordinator 1980 to 1984**

- Alternative and Renewable Energy Group.

**Ontario Ministry of Energy
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.

**Ontario Ministry of Environment
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

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 of the Board-Ontario Energy Consortium Kenya/Canada Energy Project

1991 Chairman Energy and Minerals 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

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.

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