# EB-2007-0750

# Maureen Connor

From: Barbara Robertson

Sent: September 17, 2007 8:11 AM

To: 'Helen Lainis'

Cc: Maureen Connor; Gona Jaff

Subject: RE: SME Application - Not confidential

Thanks so much Helen – absolutely no inconvenience. By way of a cc, I will advise Board Secretary's office.

#### **Barb Robertson**

Project Advisor, Compliance Ontario Energy Board

phone: 416-440-7718

Barbara.Robertson@oeb.gov.on.ca

For general enquiries please contact the Market participant Hotline at: Market.Operations@oeb.gov.on.ca

From: Helen Lainis [mailto:helen.lainis@gmail.com]

Sent: September 17, 2007 8:06 AM

To: Barbara Robertson; helen.lainis@ieso.ca Subject: SME Application - Not confidential

# Barbara,

I am confirming by e-mail that all documents filed by the IESO for the Smart Metering Entity Licence Application, including Appendix A - IESO Proposed Terms and Conditions for SME Licence are not confidential and can be published/disclosed as public documents. The IESO will be posting all documents filed on its website for publice view.

I apologize for any inconvenience,

Thanks,

Helen Lainis

Senior Regulatory Analyst, IESO

905-855-4106

EB-2007-0750

# **BY COURIER**

September 4, 2007

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

Dear Ms. Walli:

Re: Application by the Independent Electricity System Operator for the Smart Metering Entity Licence

The Independent Electricity System Operator (the "IESO") has been designated as the Smart Metering Entity (the "SME") by Ontario Regulation 393/07<sup>1</sup> made under the *Electricity Act*, 1998.

Accordingly, the IESO hereby applies for a licence under section 57 of the *Ontario Energy Board Act, 1998* with respect to its powers and duties as SME. The IESO is seeking a licence to take effect on or before September 14, 2007 to December 31, 2011, in order to cover the full term of the Meter Data Management Repository Development Hosting and Support Agreement made between the IESO and IBM Canada Limited.

In the event that the Ontario Energy Board (the "Board") cannot issue the licence on or before September 14, 2007, the IESO is requesting, pursuant to sub-section 21(7) of the *Ontario Energy Board Act, 1998*, that the Board issue it an interim order pending the final disposition of the matter before it. The IESO believes that no other party will be adversely affected in a material way by the issuance of an interim order and requests that the Board issue the interim order without a hearing.

# A. The Applicant

The IESO is a corporation without share capital continued pursuant to Part II and section 4 of the *Electricity Act, 1998*. The objects of the IESO include to plan, manage and implement, and to oversee, administer and deliver, the provincial government's smart metering initiative.

<sup>&</sup>lt;sup>1</sup> Ontario Reg. 393/07 made under the *Electricity Act, 1998*, was filed on July 26, 2007 in the Registrar of Regulations and published in the Ontario Gazette on August 11, 2007.

The IESO was designated as the SME by regulation made under Part IV.2 and sub-section 53.7(d) of the *Electricity Act, 1998*. The objects of the SME are set out in section 53.8 of the *Electricity Act, 1998*, and include,

- (1) to collect and manage (including the facilitation of the same) and store information and data on the consumption or use of electricity in Ontario;
- (2) to provide and promote non-discriminatory access to data and information related to the consumption of electricity, including its communications and technologies; and
- (3) to establish, own or lease and operate one or more databases to facilitate collecting, managing, storing and retrieving smart metering data.

In addition, the IESO is managing the development of the meter data management/repository (the "MDM/R") to collect, manage, store and retrieve information related to the metering of consumers' use of electricity in Ontario.

# B. The Application

The IESO is applying under section 57 of the *Ontario Energy Board Act* for a licence to exercise the powers and perform the duties of the SME under the *Electricity Act*, 1998. The IESO has proposed, for the Board's consideration, draft terms and conditions for the SME licence, as set out in Appendix "A".

On June 27, 2007, the Board issued Code Amendments relating to the management of smart meter data. One of these amendments included an amendment to section 5 of the Distribution System Code by adding the following new section 5.4:

"s.5.4.1 A distributor shall, upon being requested to do so, enter into an agreement with the Smart Metering Entity or the IESO, in a form approved by the Board, which sets out the respective roles and responsibilities of the distributor and the Smart Metering Entity or the IESO in relation to metering and the information required to be exchanged to allow for the conduct of these respective roles and responsibilities."

A Smart Metering Agreement for Distributors (the "IESO-LDC Agreement") is under development and will provide for Terms of Service to

govern the administration and operation of the MDM/R and include the process by which distributors and other interested parties may provide stakeholder input on any amendments to the Terms of Service. The IESO anticipates that a comprehensive set of the Terms of Service will be published by the end of September 2007. To the extent that the SME licence may set out terms and conditions for the IESO-LDC Agreement and the Terms of Service, the IESO will not be able to submit these documents to the Board prior to end of September, 2007.

In the event that the Board cannot issue the licence on or before September 14, 2007, the IESO is requesting that the Board issue it an interim order. The interim order is requested in order to ensure that the SME licence is in place as the IESO begins the initial cutover to production operations and commences the collection, storage and management of customer meter data. It is anticipated that only a small number of LDCs will begin cutting over smart meters prior to the completion of the IESO-LDC agreement and the licence being extended to its full term.

# C. Information about Each Key Individual at the IESO

Information about each officer and director of the IESO is set out in Appendices "B" and "C" to this application, as prescribed by the Board Secretary.

### D. Procedural Matters

The parties potentially affected by this application are the licensed distributors and retailers in Ontario. To effect individual service of this application on each such person would be very expensive. The IESO therefore proposes that notice of this application be given by the following means:

- (i) posting this letter application, including Appendices "B" and "C" on the IESO's website at the "IESO News and Notices", "Smart Metering System Implementation Program" and "Regulatory Affairs" pages. This information will be automatically announced to all market participants and interested parties who are registered to receive IESO news and other communiqués; and
- (ii) publishing a Notice of Application in an English and a French language daily newspaper in Ontario.

# E. Contact Information for this Proceeding

The IESO requests that a copy of all documents filed with the Board by each party to this proceeding be served on the IESO's counsel in this proceeding as follows:

(a) The IESO:

Ms. Helen Lainis

Senior Analyst, Regulatory Affairs Independent Electricity System

Operator

Address for Service:

655 Bay Street, Suite 410

P.O. Box 1

Toronto, Ontario M5G 2K4

Telephone:

(905) 855-4106

Fax:

(905) 855-6372

Electronic access number: helen.lainis@ieso.ca

(b) The IESO's counsel:

Patrick Duffy

Counsel for the

**Independent Electricity System** 

Operator

Address for Service:

655 Bay Street, Suite 410

P.O. Box 1

Toronto, Ontario M5G 2K4

Telephone:

(416) 506-2834

Fax:

(416) 506-2843

Electronic access number: patrick.duffy@ieso.ca

# F. Freedom of Information Consent

Please find enclosed an executed consent to the collection of information for the purpose of determining the IESO's SME licence application, and a cheque in the amount of \$800 covering the licence application fee.

Please call the undersigned should the Board have any question about this application.

Yours truly,

Patrick Duffy

Counsel for the

Independent Electricity System

Operator

c: Helen Lainis, Independent Electricity System Operator Mark Garner, Ontario Energy Board Brian Hewson, Ontario Energy Board Barbara Robertson, Ontario Energy Board

Appendix A: IESO Proposal for Terms and Conditions for SME Licence

Using OEB Template Filed: September 4, 2007

**Appendix A:** 

# IESO Proposal for Terms and Conditions for SME Licence



# CONFIDENTIAL

# Smart Metering Entity Licence

Issued to:

# **Independent Electricity System Operator**

E?-2007-XXXX

Valid Until
December 31, 2011

Mark C. Garner Managing Director, Market Operations Ontario Energy Board

Date of Issuance: September 14, 2007

Ontario Energy Board P.O. Box 2319 2300 Yonge Street 26th. Floor Toronto ON M4P 1E4

Commission de l'Énergie de l'Ontario C.P. 2319 2300, rue Yonge 26e étage Toronto ON M4P 1E4

Appendix A: IESO Proposal for Terms and Conditions for SME Licence

Using OEB Template Filed: September 4, 2007

# SMART METERING ENTITY LICENCE

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Appendix A: IESO Proposal for Terms and Conditions for SME Licence

Using OEB Template Filed: September 4, 2007

## SMART METERING ENTITY LICENCE

#### 1 Definitions

In this Licence:

"Act" means the Ontario Energy Board Act, 1998, S.O. 1998, c. 15, Schedule B;

"Electricity Act" means the Electricity Act, 1998, S.O. 1998, c. 15, Schedule A;

"Licensee" means the smart metering entity established under Part IV.2 of the *Electricity*Act

"Smart Metering Agreement with Distributors" means the agreement between the Independent System Operator and licensed distributor setting out the respective roles and responsibilities of the distributor and the Smart Metering Entity in relation to metering and information required to be exchanged to allow for the conduct of their respective roles and responsibilities.

"Regulations" means regulations made under the Act or the Electricity Act;

"Smart Metering Entity" means the smart metering entity established under Part IV.2 of the *Electricity Act* and the Independent Electricity System Operator (the "IESO") being designated the Smart Metering Entity as prescribed by Ontario Regulation 393/07.

# 2 Interpretation

2.1 In this Licence words and phrases shall have the meaning ascribed to them in the *Act* or the *Electricity Act*. Words or phrases importing the singular shall include the plural and vice versa. Headings are for convenience only and shall not affect the interpretation of the licence. Any reference to a document or a provision of a document includes an amendment or supplement to, or a replacement of, that document or that provision of that document. In the computation of time under this Licence, where there is a reference to a number of days between events, they shall be counted by excluding the day on which the first event happens and including the day on which the second event happens. Where the time for doing an act expires on a holiday, the act may be done on the next day that is not a holiday.

### 3 Authorization Granted under this Licence

- 3.1 The Board, in the exercise of the powers conferred under Part V of the *Act*, authorizes the Licensee to engage in activities that constitute the Smart Metering Entity's statutory objects and powers, including any activities referred to in section 53.8 of the *Electricity Act* and that the Licensee may, by regulation, be granted the exclusive authority to conduct, subject to the conditions set out in this Licence or, orders of the Board.
- 3.2 The Licensee shall enter into an agreement with the distributors, in a form approved by the Board, which sets out the roles and responsibilities of the distributor and the Licensee in relation to metering and the information required to be exchanged to allow for the conduct of these respective roles and responsibilities.

# 4 Licence Fees and Assessments

4.1 The Licensee shall pay any fees charged by the Board or amounts assessed by the Board.

Appendix A: IESO Proposal for Terms and Conditions for SME Licence Using OEB Template

Filed: September 4, 2007

## 5 Legislation and Regulations

5.1 The Licensee shall comply with all applicable provisions of the *Act*, the *Electricity Act*, and the Regulations.

### 6 Term of Licence

6.1 This Licence shall take effect on September 14, 2007 and terminate December 31, 2011.

### 7 Provision of Information to the Board

- 7.1 The Licensee shall provide, in the manner and form determined by the Board, such information as the Board may require from time to time.
- 7.2 Without limiting the generality of paragraph 8.1, the Licensee shall, unless it is otherwise required as an other condition of this Licence:
  - (a) provide such information as the Board may require from time to time to enable the Board to monitor the Licensee's compliance with the conditions of this Licence and any other legislative or regulatory requirements that are set out in this Licence;
  - (b) notify the Board of any material change in circumstances that adversely affects or is likely to adversely affect the Licensee's ability to comply with this Licence, its financial integrity, or its ability to carry out its responsibilities as the Smart Metering Entity under the *Electricity Act*, as soon as practicable, but in any event within twenty business days of the date upon which such change becomes known to the Licensee; and
  - (c) provide the Board with a description of any processes established by the Licensee under section 53.14 of the *Electricity Act* and of any changes to such processes.

## 8 Rates

8.1 The Licensee may impose rates to recover the costs of its activities s Smart Metering Entity in accordance with an order of the Board, or as permitted by law.

### 9 Separation of Business Activities

- 9.1 The Licensee shall keep financial records associated with its activities as Smart Metering Entity separate from its financial records associated with directing the operations of the IESO-controlled grid and operating the IESO-administered markets.
- 9.2 Unless otherwise provided by law, the Licensee may establish and maintain, in accordance with the direction or orders of the Board where applicable, such variance accounts as may be necessary to record all amounts payable or receivable by it as Smart Metering Entity under the *Act* or the *Electricity Act*.

# 10 Non-Discriminatory Access

10.1 The Licensee shall provide and promote non-discriminatory access, on appropriate terms and subject to any conditions in its licence relating to the protection of privacy, by

Appendix A: IESO Proposal for Terms and Conditions for SME Licence Using OEB Template Filed: September 4, 2007

distributors, retailers, the OPA and other persons to the (i) information and data related to the metering of consumers' consumption or use of electricity in Ontario.

### 11 Restrictions on Provision of Information

11.1 Subject to compliance with applicable privacy legislation, any information that is collected, managed or stored by the Licensee may be disclosed without authorization where the information has been sufficiently aggregated or is otherwise presented such that the individual or entity to which the information relates cannot reasonably be identified.

## 12 Dispute Resolution

12.1 The Licensee shall establish a process for resolving disputes with distributors and other persons that deals with disputes in a fair and reasonable manner.

#### 13 Communication

- 13.1 The Licensee shall designate a person that will act as a primary contact with the Board on matters related to this Licence. The Licensee shall notify the Board promptly should the contact details change.
- 13.2 All communication related to this Licence must be in writing.
- 13.3 All communication is to be regarded as having been given by the sender and received by the addressee:
  - (a) when delivered in person to the addressee by hand, by registered mail or by courier;
  - (b) five (5) business days after the date of posting if the communication is sent by regular mail; and
  - (c) when sent to the addressee by electronic transmission, including facsimile or electronic mail, according to the sender's transmission report.

# 14 Copies of the Licence

#### 14.1 The Licensee shall:

- (a) make a copy of this Licence available for inspection by members of the public at the IESO's offices during normal business hours; and
- (b) provide a copy of this Licence to any person who requests it. The Licensee may impose a fair and reasonable charge for the cost of providing copies.

# Appendix B: Board of Directors of the IESO

The IESO Board of Directors oversees the management of the organization's business and affairs. All of the Board members must be independent and are prohibited from having a material interest in any market participant in Ontario's electricity sector. As part of its responsibilities, the Board approves the market rules, policies and guidelines that govern the IESO-administered markets.

Members of the Board are appointed by the Minister of Energy for a two-year term and may be reappointed for successive terms not exceeding five years.

<u>Paul Murphy</u> was appointed President and Chief Executive Officer of the Independent Electricity System Operator in October 2006. Under Mr. Murphy, the IESO is responsible for overseeing the safe and reliable operation of Ontario's bulk electrical system - one of the most diversified and efficient in the world. The organization also oversees the IESO-administered wholesale electricity markets.

**Rudy G. Riedl** is interim Chair of the IESO Board of Directors and Chair of the IESO Human Resources and Governance Committee. Mr. Riedl has been involved in the Canadian and North American energy business for more than 33 years. Since his retirement from Enbridge, where he last served as president of Enbridge Consumers Gas from 1997 to 2001, he has served as president of R.G.Riedl Consulting Inc. Mr. Riedl has extensive experience in the management and restructuring of regulated utilities, energy policy development and organizational effectiveness.

Roberta Brown is President of Sassafras River Associates and has been involved in power generation and delivery in planning, design, engineering, construction, operations, and maintenance throughout her long career. She was previously a Vice President of Pepco, Delmarva Power, and Conectiv, regional providers of energy and energy delivery. She led the formation and startup of ReliabilityFirst, a new regional electric reliability council. A frequent speaker on electric system reliability and markets, Roberta has also testified before regulatory agencies in several states and chaired the stakeholders' process responsible for the model to deregulate the Mid-Atlantic energy markets. Roberta earned her Bachelor Degree in physics and math from Immaculata College and is a registered professional engineer in Pennsylvania, Delaware, Maryland, Virginia, and New Jersey. She is a director of the American Red Cross of the Delmarva Peninsula and the Nature Conservancy - Delaware.

**David Cassivi** is a career educator having taught in the Windsor Board of Education for 33 years. Mr. Cassivi has also served the people of Windsor in municipal politics for over three decades, first as a Separate School Trustee and then as a city councillor from 1982 to 2006. He also has experience in the energy sector having served first as a member and then Chair of ENWIN Utilities, Windsor's local distribution company. Mr. Cassivi has been a member of numerous community boards, including Chair of the Windsor Separate School Board and Windsor's International Relations Committee, Vice-Chair of the Windsor Detroit Tunnel Commission and the Windsor Police Services Board and Member of the Windsor Canada Utilities Board, the Essex Region Conservation Authority and the Windsor Essex County Health Unit. Mr. Cassivi holds a Bachelor of Arts from St. Mary's University, a Bachelor of Education from the University of Virginia.

**Angela Ferrante** was most recently Chief Operating Officer of the Ontario Energy Board. Prior to that, she was Senior Vice President, Corporate Communications, at BMO Financial Group. She has also been Vice President, Public Affairs, at Ontario Power Generation, and

Executive Vice President and Chief Operating Officer of the C.D. Howe Institute, Canada's leading independent research and public policy institute. Formerly a journalist, she has worked for a number of publications including Maclean's Newsmagazine, where she served as Assistant Managing Editor. Ms. Ferrante plays an active role in the community, and has served on a number of not for profit Boards. She is currently a Member of the Canadian Journalism Foundation Board as well as the former Chair of the Ontario Institute for Studies in Education (O.I.S.E.) and formerly Chair of the TVOntario Foundation Board. Ms. Ferrante is currently a member of Board of Directors of VIA Rail Canada Inc. and is an ICD.D Certified Director.

James D. Hinds is Chair of the IESO Audit Committee. Mr. Hinds is also Chairman of Irish Line Capital Inc., a private investment company. He is a career investment banker, specializing in public equity markets underwriting and advice for media, industrial, mining and real estate companies. Starting in 1985 at CIBC Wood Gundy Inc., Mr. Hinds joined Newcrest Capital Inc. and then served as a managing director of TD Securities Inc. A native of Sudbury, Ontario, he received a Bachelor of Arts from Victoria University at University of Toronto, a Master of Business Administration degree from Wharton at University of Pennsylvania, and a law degree from the University of Toronto.

William J. Museler was most recently President and CEO of the New York Independent System Operator (NYISO). Prior to his service at NYISO, Mr. Museler held senior positions at the Tennessee Valley Authority (TVA), Long Island Lighting Company (LILCO), and Brookhaven National Laboratory. He has served as a federal representative for the North American Electric Reliability Council (NERC) and as chairman of the Southeastern Electric Reliability Council (SERC). He is currently a member of the Secretary of Energy's Energy Advisory Board (EAB). A graduate of the Pratt Institute with a Bachelor of Science in Engineering Science, Mr. Museler also holds a Master of Science degree in Mechanical Engineering from Worcester Polytechnic Institute.

Clifford (Mike) Naeve heads the global energy practice group for Skadden, Arps, Slate, Meagher & Flom LLP. Prior to joining the firm in 1988, Mr. Naeve was a Commissioner at the Federal Energy Regulatory Commission (FERC), where he played a leading role in developing FERC policies for enhancing competition in the natural gas industry, including open access transportation, relaxation of wellhead price regulations, and deregulation of gas merchant activities. He also was instrumental in developing new approaches to the Commission's regulation of the electric power industry. In his legal work, Mr. Naeve has been actively involved in the restructuring of the electric power industry, having represented clients in a variety of federal and state regulatory proceedings and restructuring transactions.

Howard Lincoln Shearer is the President and Chief Executive Officer of Hitachi Canada Ltd (HCL), having joined Hitachi in October, 1984. He is also a member of HCL's Board of Directors, a position to which he was appointed in 1999. Prior to this, he served as Vice-President & General Manager of HCL's Semiconductor division. Prior to joining Hitachi, Mr. Shearer was employed in the high-tech industry by Texas Instruments as well as Murata Erie. Mr. Shearer holds a bachelor's degree in electrical engineering from McMaster University, Hamilton, Ontario, and serves on the boards of the following non-profit organizations: Responsible Gambling Council of Canada (RGCC), Japan Society and the Canadian Nurse Foundation. He is a member of the Principal's Advisory Council (PAC) at the University of Toronto as well as a member of other professional organizations including the Energy Council of Canada and the Canadian Nuclear Association.

**John Wiersma** has worked in the electricity sector for more than 37 years. He was appointed founding President & CEO of Veridian Corporation in 1999, and continued as Chair

Appendix B: Board of Directors of the IESO IESO Application for SME Licence Filed: August 31, 2007

of the Board of Directors following his retirement in 2004. Mr. Wiersma stepped down as Chair upon his appointment to the IESO Board of Directors in 2005. He is an advocate for energy efficiency and electrical safety and serves on the board of directors of the Canadian Energy Efficiency Alliance, and the Electrical Safety Authority. Mr. Wiersma has also received a number of distinguished awards for his dedication to the electricity industry and to the local Ajax-Pickering community, where he lives.

Appendix C: Officers of the IESO IESO Application for SME Licence

Filed: September 4, 2007

# Appendix C: Officers of the IESO

President & CEO Paul Murphy, B.Sc., P.Eng.

Mr. Murphy was appointed President and Chief Executive Officer of the Independent Electricity System Operator in October 2006. Under Mr. Murphy, Ontario's IESO is responsible for overseeing the safe and reliable operation of Ontario's bulk electrical system one of the most diversified, reliable and efficient in the world. The organization also oversees the IESO-administered wholesale electricity markets.

Prior to his appointment as President, Mr. Murphy was the Chief Operating Officer for the Independent Electricity System Operator since 2000. In that role, he was responsible for managing the operation of Ontario's competitive wholesale electricity market and for directing the operation of the IESO Controlled Grid; forecasting and assessing resource and transmission adequacy; developing and administering contracts and operating agreements and for settling market transactions.

Mr. Murphy is past chair of IESO's Technical Panel; the panel of market participant representatives that recommend market rule changes to the IESO Board. He has worked in the integrated operation of Ontario's electrical system for over 25 years and in the development and operation of competitive markets for the last ten. Mr. Murphy has been the Vice Chair of NPCC's Reliability Coordinating Committee and is a Canadian representative of NERC's Operating Committee and Operating Executive Committee.

Paul Murphy has a Bachelor of Applied Science from Queen's University in Kingston, Ontario and is a registered Professional Engineer in Ontario.

# Vice President - Corporate Relations & Market Development Bruce Campbell

Mr. Campbell holds the position of Vice-President, Corporate Relations & Market Development. In that capacity, he is responsible for the evolution of the IESO-administered markets, regulatory affairs, external relations and communications, and stakeholder engagement.

Mr. Campbell has extensive background within the electricity industry, having acted as legal counsel in planning, facility approval and rate proceedings throughout his 26-year career in private practice. He joined the IESO in June 2000, and through May 2005, held the position of Vice-President, Corporate & Legal Affairs.

Mr. Campbell has contributed as a member of several Boards, and was Vice-Chair of the Interim Waste Authority Ltd. He is a graduate of the University of Waterloo and Osgoode Hall Law School.

# Vice-President - Market & System Operations Derek R. Cowbourne

Mr. Cowbourne was appointed Vice President - Market & System Operations and Chief Operating Officer in October 2006. Mr. Cowbourne has been with the Independent Electricity System Operator (IESO) from its formation as the Independent Market Operator in 1999, previously holding the positions of Chief Operating Officer, Vice-President - Market Services and Vice-President - Reliability Assurance.

As Chief Operating Officer, Mr. Cowbourne is responsible for:

Appendix C: Officers of the IESO IESO Application for SME Licence Filed: August 31, 2007

- Managing the operation of Ontario's competitive wholesale electricity market and for directing the operation of the IESO Controlled Grid.
- Forecasting and assessing resource and transmission adequacy, and ensuring that reliability will not be jeopardized throughout the largest

Mr. Cowbourne has chaired Ontario's Market Advisory Council and the IESO's Technical Panel. He is a Past-Chairman of the North American Electric Reliability Council's (NERC) Operating Committee, which oversees the reliable operation of the power systems of Canada and the United States.

Mr. Cowbourne is a graduate of Manchester University (UK), a Fellow of the Institution of Engineering and Technology, and a member of the Professional Engineers of Ontario. He is a member of the Institute of Corporate Directors and a graduate of the ICD/Rotman Directors Education Program.

# Vice-President - Information Technology & Infrastructure Bill Limbrick

Mr. Limbrick was appointed Vice-President, Information Technology and Infrastructure in July 2001.

Under Mr. Limbrick, Information Technology and Infrastructure is responsible for:

- · Applications development and maintenance
- Business process engineering
- Systems infrastructure and operations
- Participant networks and telecommunications
- · Information management
- Information security

Prior to his appointment, Mr. Limbrick was with PricewaterhouseCoopers (PwC) where, as a Principal Consultant, he worked with the IESO over a three-year period on the program to introduce the new IESO-administered Market. In his eight years with PwC, Mr. Limbrick worked in several industries within the utilities sector and was a program manager in the 1998 expansion of the competitive electricity market in the UK. Previously, Mr. Limbrick had a long career with Sun Life Assurance (UK) where he held a number of management positions in information technology.

Mr. Limbrick holds a degree in Mathematical Economics from the University of Essex and is a member of the British Computer Society.

# Vice-President - Corporate Services Gary Sherkey

Mr. Sherkey was appointed Vice-President - Corporate Services, CFO and Treasurer effective June 1, 2005. Prior to this appointment, Mr. Sherkey was Vice-President - Finance, CFO and Treasurer for the IESO.

Under Mr. Sherkey, Corporate Services is responsible for:

- Corporate Planning
  - Leads the corporate strategic planning process for the organization
  - Responsible for the Enterprise Risk Management (ERM) process in order to manage risks effectively and efficiently across the company
- Corporate Finance

Appendix C: Officers of the IESO IESO Application for SME Licence Filed: August 31, 2007

- Co-ordinates the annual business planning and budgeting process which produces the 3-year Business Plan document for filing with the Minister of Energy and the Ontario Energy Board
- · Responsible for:
  - o corporate/pension accounting and reporting
  - o insurance
  - o procurement
  - o treasury
  - o market accounting and market funds administration
- Legal Affairs
  - Responsible for legal and contract support; and records management for the organization
- Internal Audit
  - Conducts audits of IESO processes, systems and procedures on a risk-based perspective
  - Designs internal controls for the organization
  - o Assists in the management of ERM across the business

Prior to the IESO, Mr. Sherkey was based in Calgary. He is a Chartered Accountant and brings to the IESO many years of progressively responsible senior financial management experience, earned within some of Canada's leading public energy-related corporations. As a key member of senior management, he has expertise in developing and planning the goals, objectives and strategies for corporations and has a successful track record in executing these plans with discipline.

Additionally, Mr. Sherkey holds a Bachelor of Science degree from the University of Toronto and a Bachelor of Commerce degree from the University of Windsor.