

Aiken & Associates

578 McNaughton Ave. West
Chatham, Ontario, N7L 4J6

Phone: (519) 351-8624
Fax: (519) 351-4331
E-mail: raiken@xcelco.on.ca

November 11, 2007

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
2300 Yonge Street
Suite 2700
Toronto, Ontario, M4P 1E4

Dear Ms. Walli:

Re: London Property Management Association Cost Award Documents – EB-2007-0598 (Union Gas – Variance Accounts and 2006 Earnings Sharing – Draft Rate Order)

Please find enclosed a copy of the following documents related to the requested cost award of the London Property Management Association participation with respect to the Draft Rate Order portion of the above noted proceeding, totaling \$750.24, plus GST. Copies have been sent to Union Gas in both hard copy and electronic format.

Form 1 – Summary Statement of Hours – Consultants and Legal Counsel
Form 2 – Summary of Disbursements
Form 3 – Affidavit in Support of Cost Claim
Copy of Aiken & Associates invoice dated October 31, 2007
Photocopy of expense receipts, and
Curriculum Vitae of Randy Aiken

Parties are reminded that payment should be made to the LPMA at the following address:

London Property Management Association
460 Berkshire Drive, Unit 102
London, Ontario, N6J 3S1

If you have any questions, please give me a call.

Sincerely,

Randy Aiken

Randy Aiken
Aiken & Associates

c.c. Mr. Chris Ripley, Union Gas Limited.
Mr. Richard Izawa, LPMA

**ONTARIO ENERGY BOARD
FORM 1**

SUMMARY STATEMENT OF HOURS - CONSULTANTS AND LEGAL COUNSEL

A separate form is required for each consultant or legal counsel

<u>EB-2007-0598</u> Board File Number	<u>London Property Management Association</u> Intervenor Name
<div style="text-align: center; margin-top: 100px;"> <u>Legal Counsel Name</u> <u>Randy Aiken</u> Consultant Name </div>	<div style="text-align: center; margin-top: 100px;"> <u>Year of Call</u> <u>22</u> Years of Relevant Experience (curriculum vitae must be attached) </div>
<div style="margin-top: 100px;"> <u>Aiken & Associates</u> Consultants Firm </div>	

	Hours	Hourly Rate	Sub-total	GST	Total
Preparation		210.00	0.00	0.00	0.00
Attendance - Technical Conference		210.00	0.00	0.00	0.00
Attendance - Settlement Conference		210.00	0.00	0.00	0.00
Attendance - Oral Hearing		210.00	0.00	0.00	0.00
Argument	3.50	210.00	735.00	44.10	779.10
Case Management		130.00	0.00	0.00	0.00
TOTALS	3.50		735.00	44.10	779.10

Note: all claims must be in Canadian dollars. If applicable, state exchange rate _____, and country of initial currency _____.

**ONTARIO ENERGY BOARD
FORM 2**

SUMMARY OF DISBURSEMENTS

<u>EB-2007-0598</u> Board File Number	<u>London Property Management Association</u> Intervenor Name
<u>Randy Aiken - Aiken & Associates</u> Intervenor or Group that made the disbursement	

	Net Cost	GST	
Photocopies		0.00	
Printing		0.00	
Fax		0.00	
Courier	15.24	0.91	
Telephone		0.00	
Postage		0.00	
Transcripts		0.00	
Travel: Air		0.00	
Travel:Car		0.00	
Travel:Rail		0.00	
Travel: Other (Parking)		0.00	
Taxi or Airport Limo		0.00	
Accomodation		0.00	
Meals		0.00	
Other ()		0.00	Grand Total
Sub-totals	15.24	0.91	16.15

Notes: 1. All claims for disbursements must include receipts where practicable
2. All claims must be in Candian dollars. If applicable state exchange rate _____ and country of initial currency _____

**ONTARIO ENERGY BOARD
FORM 3**

AFFIDAVIT IN SUPPORT OF COST CLAIM

EB-2007-0598
Board File Number

London Property Management Association
Intervenor Name

Items Claimed Net of GST

Legal/Consultant Fees	+	Disbursements	=	Net Sub-Total
<u>735.00</u>		<u>15.24</u>		<u>750.24</u>

Goods and Services Tax

<input type="checkbox"/> Full Registrant	<input type="checkbox"/> Qualifying Non-Profit (GST at 3%)
<input checked="" type="checkbox"/> Unregistered (GST at 6%)	<input type="checkbox"/> Tax Exempt (no GST)
<input type="checkbox"/> Other <input type="checkbox"/> GST at <input type="text"/> %	


Total Cost Claim

Net Sub-Total	+	Total GST Claimed	=	Total Cost Claim
<u>750.24</u>		<u>45.01</u>		<u>795.25</u>

I, Randall E. Aiken, of the City of Chatham in the Municipality of Chatham-Kent, **MAKE OATH AND SAY:**

1. I am a representative of the above noted intervenor (the "intervenor") and as such have knowledge of the matters attested to herein.
2. I have examined the above Cost Claim and all of the documentation in support of it.
3. The above Cost Claim represents only costs incurred directly and necessarily by the intervenor for the purpose of its intervention in the Ontario Energy Board proceeding whose file number is set out above.

SWORN (OR AFFIRMED) BEFORE ME at the City of Chatham, in the Municipality of Chatham-Kent
on Nov. 5, 2007.


COMMISSIONER for taking Affidavits

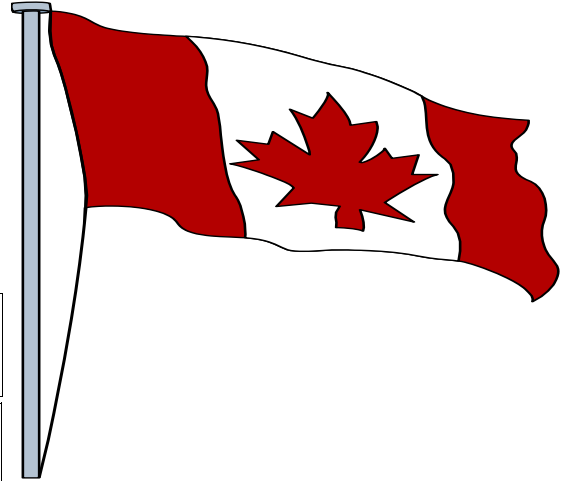

Signature of Deponent

AIKEN & ASSOCIATES
578 McNAUGHTON AVE. WEST
CHATHAM, ONTARIO, N7L 4J6

invoice
731-2007

● **Bill To:**
London Property Management Association
460 Berkshire Drive
Unit 102
London, Ontario, N6J 3S1

ATTN: Richard Izawa



GST REGISTRATION
130417983

INVOICE DATE
October 31, 2007

NET TERMS

**PROJECT: EB-2007-0598 - Union Gas - Variance Accounts
and 2006 Earnings Sharing - Draft Rate Order**


<u>DATE</u>	<u>HOURS</u>	<u>DESCRIPTION</u>	<u>RATE</u>	<u>TOTAL</u>
Aug. 29	2.00	Review of and preparation of submissions on draft rate order	210.00	420.00
Sept. 6	0.75	Review of and preparation of submissions on draft rate order	210.00	157.50
Oct. 29	0.75	Review of corrected draft rate order	210.00	157.50
Expenses				
Sept. 6		Courier to Ontario Energy Board		15.24

SUB-TOTAL	750.24
G.S.T. (6%)	45.01
BALANCE DUE	\$795.25

SENDER RETAIN THIS COPY / COPIE DE L'EXPÉDITEUR

SENDER ACCOUNT NO. N° DE COMPTE DE L'EXPÉDITEUR 1210374		IMPORTANT TELEPHONE (519) 351 8424	
SENDER (FROM) / EXPÉDITEUR (DE) AIKEN & ASSOCIATES		MO DY/JR YR/AN 09/06/07	
STREET ADDRESS / ADRESSE (N° ET RUE) 578 MCNAUGHTON AVE W		APT., SUITE / APP., BUREAU	
CITY / VILLE CHATHAM	PROV./STATE/ÉTAT ONT.	POSTAL / ZIP N7L 4J6	
RECEIVER (TO) / DESTINATAIRE (À) ONTARIO ENERGY BOARD			
STREET ADDRESS / ADRESSE (N° ET RUE) 2300 YONGE ST.		APT., SUITE / APP., BUREAU SUITE 2700	
CITY / VILLE TORONTO	PROV./STATE/ÉTAT ONT.	POSTAL / ZIP M4P 1E4	
ATTN: (NAME / DEPT.) / À L'ATTENTION DE (NOM / SERVICE) BOARD SECRETARY		IMPORTANT - TELEPHONE (416) 481 1967	
DESCRIPTION (INCLUDING DANGEROUS GOODS / INCLUANT MARCHANDISES DANGEREUSES) DOCUMENTS			
SENDER REFERENCE (IF ANY) / REF DE L'EXPÉD.		PICK UP / CUEILLETTE - N° DE CONF. 0001	
SENDER SIGNATURE / SIGNATURE DE L'EXPÉDITEUR Ready Aiken		X	

SHIP MODE / MODE DE TRANSPORT	
AIR AÉRIEN	GROUND ROUTIER <input checked="" type="checkbox"/>
PKG / EMBALE	
PURLO- LETTER	SERVICE 9 AM
PURLO- PAK	10:30 AM
OTHER AUTRE	10 h 30
PAYMENT / PAIEMENT	
CASH COMPTANT	CREDIT CARD CARTE DE CRÉDIT
RECEIVER OR THIRD PARTY ACCOUNT NO. / N° DE COMPTE DU DESTINATAIRE OU TIERS	
RECEIVER DESTINATAIRE	3RD PARTY TIERS
SHIPMENT / DÉTAILS / EXPÉDITION	
#Nbre PCS (4 MAXIMUM)	WEIGHT / POIDS SUBJ. TO CORR. / SUJET À CORR.
1	KG
DECLARED VALUE / VALEUR DÉCLARÉE (SURCHARGE APPLIES OVER \$100) (SUPPLÉMENT AU-DESSUS DE 100 \$) \$5,000 MAX MAX 5 000 \$	
SEE CONDITIONS OF CARRIAGE ON REVERSE / CONDITIONS DE TRANSPORT AU VERSO	

BILL OF LADING NO. NOT NEGOTIABLE N° DE CONNAISSANCE NON NEGOCIABLE		2819 516 0495
		
1 888 SHIP-123 www.purolator.com		
COURIER INITIALS INITIALES DU COURRIER		COURIER ROUTE ITINÉRAIRE DU COURRIER
MO DY/JR YR/AN		EXP. DATE D'EXP.
NO./N°		TYPE <input type="checkbox"/> VISA <input type="checkbox"/> MC <input type="checkbox"/> AMEX
THIRD PARTY BILLING NAME & ADDRESS / FACTURATION À UN TIERS (NOM & ADRESSE) 15.24 0.91 16.15		
LIMITATION OF LIABILITY - IMPORTANT - PLEASE READ LE MONTANT DE TOUTE PERTE OU DOMMAGE DONT LE CARRIER MAY BE LIABLE SHALL NOT EXCEED \$2.00 PER POUND (OR \$4.41 PER KILOGRAM) COMPUTED ON THE TOTAL WEIGHT OF THE SHIPMENT UNLESS A HIGHER VALUE IS DECLARED ON THE FACE OF THE BILL OF LADING BY THE CONSIGNOR (SENDER). MAXIMUM DECLARED VALUE SHALL NOT EXCEED \$5,000. N.B. NOTE CAREFULLY CONDITIONS ON BACK HEREOF INCLUDING LIMITATIONS AND EXCLUSIONS OF CARRIER'S LIABILITY, WHICH ARE HEREBY ACCEPTED.		
LIMITATION DE RESPONSABILITÉ - IMPORTANT - LIREZ S.V.P. LE MONTANT DE TOUTE PERTE OU DOMMAGE DONT LE TRANSPORTEUR POURRAIT ÊTRE RESPONSABLE NE DOIT PAS EXCÉDER 2,00 \$ LA LIVRE (OU 4,41 \$ LE KILOGRAMME), CALCULÉ SUR LE POIDS TOTAL DE L'EXPÉDITION, À MOINS QU'UNE VALEUR SUPÉRIEURE N'AIT ÉTÉ DÉCLARÉE SUR LE RECTO DU CONNAISSANCE PAR L'EXPÉDITEUR. LA VALEUR DÉCLARÉE MAXIMALE NE DÉPASSERA PAS 5 000 \$. N.B. VEUILLEZ PRENDRE CONNAISSANCE DES CONDITIONS AU VERSO Y COMPRIS LES LIMITATIONS ET EXCLUSIONS DE RESPONSABILITÉ DU TRANSPORTEUR, QUI SONT ACCEPTÉES PAR LES PRÉSENTES.		
PLEASE REFER TO BILL OF LADING NUMBER FOR SHIPMENT STATUS / INQUIRIES. POUR TOUT RENSEIGNEMENT, VEUILLEZ NOUS COMMUNIQUER LE NUMÉRO DE CONNAISSANCE.		

SENDER RETAIN THIS COPY / COPIE DE L'EXPÉDITEUR

RANDALL E. AIKEN

578 McNaughton Ave. West
Chatham, Ontario, N7L 4J6
(519) 351 - 8624
Fax: (519) 351-4331
E-mail: raiken@xcelco.on.ca

CAREER HISTORY

- 1992 - Present AIKEN & ASSOCIATES, Chatham, Ontario
- * Leading a team of public utility professionals providing services in the areas of utility economics, finance, regulation and litigation.
 - * Providing consulting services and expertise in the areas of public utility regulatory case management, cost of service regulation, performance based/incentive regulation, litigation support, evidence preparation, sales and revenue forecasting, economic analysis, O & M budget analysis, capital project analysis, cost allocation, rate design and regulatory support.
 - * Provide expert testimony on behalf of clients before the Ontario Energy Board.
 - * Provide cross-examination of expert witnesses on behalf of clients before the OEB.
- 1986 - 1992 UNION GAS LIMITED, Chatham, Ontario
Senior Economist 1987-1992
Supervisor Forecasts & Market Statistics 1986-1987
- * Gas sales throughput and revenue forecasting for budget and regulatory purposes.
 - * Forecast and analysis of macroeconomic scenarios for Canada, Ontario, and various industries for strategic planning purposes.
 - * Testified before Ontario Energy Board at several rates and facility cases.
 - * Communicated national and provincial economic outlooks and industry analysis to senior management.
 - * Designed and implemented regional gas sales models for throughput and revenues and incorporated advanced forecasting techniques into sales and revenue models.
 - * Implemented facility forecast analysis procedures and improved and expanded management reporting systems related to forecast variance analysis.
- 1984 - 1986 CHASE ECONOMETRICS (now Global Insight), Toronto, Ontario
Economist
- * As a member of a small team, assisted in the production and publication of the Canadian Macro, Canadian Provincial and Canadian Cost Planning services.
 - * Responsible for customer-specific projects and associated client support.
 - * Received President's Award in 1985 for outstanding performance.
- 1982 INFORMETRICA LIMITED, Ottawa, Ontario
Student Economist Work Terms - Spring & Fall 1982

SELECTED UTILITY, REGULATORY AND RELATED EXPERIENCE (partial)

- 2007 Providing expert analysis and litigation support for London Property Management Association ("LPMA"), Wholesale Gas Service Purchasers Group ("WGSPG") and Building Owners and Managers Association of the Greater Toronto Area ("BOMA") in EB-2007-0606 & EB-2007-0615 (Union Gas and Enbridge Gas Incentive Regulation).

- 2007 Provided comments on behalf of LPMA on Staff Research Paper: Affiliate Relationships Code for Electricity Distributors and Transmitters (EB-2007-0062).
- 2007 Provided analysis, litigation support and argument for LPMA in Union Gas Fiscal 2006 Variance Accounts and Earnings Sharing proceeding (EB-2007-0598).
- 2007 Provided comments on behalf of LPMA on Comparison of Distributor Costs Consultation on Consultant's Report (EB-2006-0268).
- 2007 Provided comments on behalf of LPMA on Electricity Distributors and Management of Customer Commodity Payment Default Risk (EB-2007-0635).
- 2007 Provided comments on behalf of LPMA on Electricity Distribution Rate-Making Policies Associated with Distributor Consolidation (EB-2007-0028).
- 2007 Provided comments on behalf of LPMA on Stakeholder Consultation on Regulatory Barriers to Conservation and Demand Management (EB-2007-0097).
- 2007 Provided comments on behalf of LPMA on Staff Discussion Paper on the Implications Arising from a Review of the Electricity Distributors' Cost Allocation Filings (EB-2007-0667).
- 2006 Provided economic evaluation evidence for NRG Leave to Construct Application (EB-2006-0243).
- 2006 Represented LPMA in Multi-Year Electricity Distribution Rates Setting Plan Cost of Capital (EB-2006-0088) and 2nd Generation Incentive Regulation Mechanism (EB-2006-0089).
- 2006 - 2007 Providing distributors and transmitters with assistance developing rate applications.
- 2006 Represented LPMA in Multi-Year Incentive Regulation for Natural Gas Utilities (EB-2006-0209).
- 2006 Provided analysis, litigation support and argument for LPMA and WGSPG in Union Gas Fiscal 2005 Variance Accounts and Earnings Sharing Disposition proceeding (EB-2006-0057).
- 2006 Providing litigation support for Energy Probe in Enbridge 2007 rates proceeding (EB-2006-0034).
- 2006 Provided expert analysis and litigation support for LPMA and WGSPG in EB-2005-0520 (Union Gas 2007 Rates).
- 2006 Provided expert analysis and litigation support for LPMA and WGSPG in Natural Gas Electricity Interface Review (EB-2005-0551)
- 2006 Provided expert analysis and litigation support for LPMA in Natural Gas Demand Side Management Generic Issues Proceeding (EB-2006-0021)
- 2006 Provided evidence preparation, rate case management, sales forecasts, cost allocation, rate design, etc. for NRG (EB-2005-0544) for the Ontario Energy Board. Testified at hearing.
- 2006 Provided assistance to Fort Albany Power Corporation (RP-2005-0020/EB-2005-0365) and Kashechewan Power Corporation (RP-2005-0020/EB-2005-0383) with the preparation of 2006 distribution rates applications.
- 2000 – Present Prepare application and evidence for NRG QRAM filings.
- 2005-2006 Provided litigation support for Energy Probe in Hydro One 2006 Rates Case (RP-2005-0020/EB-2005-0378).
- 2005 Member of the OEB's Cost Allocation Technical Advisory Team (Phase 1 and Phase 2) (EB-2005-0317) on behalf of LPMA and Energy Probe.
- 2005 Provided expert analysis and litigation support in London Hydro 2006 Rates Case (RP-2005-0020/EB-2005-0389) for the LPMA.
- 2005 On behalf of LPMA, participated in the OEB's Natural Gas Utility Service Quality Requirements consultation process (EB-2005-0453).
- 2005 Prepared evidence and provided regulatory support for NRG for gas cost proceedings (EB-2005-0235,

- EB-2005-0296, EB-2005-0466, EB-2005-0540)
- 2005 On behalf of LPMA, participated in the OEB's Minimum Filing Requirements for Natural Gas Distributors Cost of Service Applications consultation process (EB-2005-0494).
 - 2005 Provided expert analysis and litigation support in Union Gas 2006 Rates Case (EB-2005-0449) for the LPMA and WGSPG.
 - 2005 Assisted Great Lakes Power Limited with the preparation of 2006 distribution rates application (RP-2005-0020/EB-2005-0369).
 - 2005 Provided expert analysis on cost allocation, rate design, revenue, taxes and variance account related issues for Energy Probe in Enbridge Gas Distribution 2006 Rates Case (RP-2005-0001), including the preparation of evidence related to an alternative methodology for forecasting degree days.
 - 2005 RP-2003-0063/EB-2004-0542 - Provided expert analysis and litigation support in Union Gas Embedded Storage Rates proceeding for the LPMA and the WGSPG.
 - 2005 RP-2003-0063/EB-2005-0189 - Represented LPMA at Union Motion to vary the RP-2003-0063/EB-2004-0480 Decision.
 - 2005 Prepared Economic Evaluation Model for Five Nations Energy Inc.
 - 2004 RP-2003-0063/EB-2004-0480 - Prepared submissions on behalf of LPMA and WGSPG with respect to Union's proposal for rates for 2005.
 - 2004-2005 RP-2003-0204 Distribution Rates for Attawapiskat Power Corporation – develop model and prepare evidence and interrogatory responses for three different test periods.
 - 2004 RP-2004-0196 Smart Meter Initiative – member of the Cost Considerations Working Group.
 - 2004 RP-2004-0188 2006 Electricity Distribution Rates – member of the Test Year, Rate Base and Taxes/PILS working groups. Provided submissions on behalf of LPMA.
 - 2004-2005 Providing financial modelling, evidence preparation and interrogatory responses for Great Lakes Power Limited related to their Transmission rates application (EB-2005-0241).
 - 2004 Provided evidence preparation, rate case management, sales forecasts, cost allocation, rate design, etc. for NRG (RP-2004-0167) for the Ontario Energy Board. Testified at hearing.
 - 2004 Prepared evidence and provided regulatory support for NRG for gas cost proceedings (EB-2004-0213, EB-2004-0269, EB-2004-0413, EB-2004-0509).
 - 2004 Prepared evidence and testified for NRG for gas cost recovery mechanism (EB-2004-0004)
 - 2004 Provided expert analysis on cost allocation and rate design issues for Energy Probe in Enbridge Gas Distribution 2005 Rates Case (RP-2003-0203).
 - 2003 Provided expert analysis and litigation support in Union Gas 2004 Rates Case (RP-2003-0063) for LPMA and WGSPG
 - 2003 Provided expert analysis and litigation support in Review of the Board's Guidelines for setting ROE (RP-2002-0158/EB-2002-0484) for LMPA
 - 2003 Provided expert analysis and litigation support in review of the Quarterly Rate Adjustment Mechanism (EB-2003-0056) for Union Gas Ltd. on behalf of LPMA and WGSPG
 - 2003 Provided evidence preparation and testimony, rate case management, sales forecasts, cost allocation, rate design, etc. for NRG (RP-2002-0147)
 - 2003 Provided evidence and regulatory support for NRG for gas cost proceedings (EB-2003-0007, EB-2003-0061 EB-2003-0239, EB-2003-0286)
 - 2002-Current Member of Union Gas DSM Consultative, including Audit Subcommittee in 2002
 - 2002 Managed intervention and provided expert analysis and litigation support in Union Gas 'Customer Review

- Process' (RP-2002-0130) process to establish rates for 2003 for WGSPG and LPMA.
- 2002 Provided evidence preparation and rate design assistance to Great Lakes Power for distribution rates application to the Ontario Energy Board.
 - 2002 Provided evidence and testified at Hydro One Networks Distribution Rates case at the Ontario Energy Board on behalf of a coalition of municipal electric distributors (Enersource Mississauga Hydro, Ottawa Hydro, London Hydro, St. Catharines Hydro, Oshawa PUC Networks).
 - 2002 Prepared evidence and regulatory support for Natural Resource Gas Limited ("NRG") for a gas cost increase proceeding (EB-2002-0229)
 - 2001 Provided evidence preparation, rate case management, sales forecasts, etc. for NRG (RP-2000-0126) for the Ontario Energy Board.
 - 2001 Provided regulatory and analytical support for Cogenerators Alliance in TransCanada Pipeline Tolls and Tariffs Application (RH-1-2001).
 - 2001-2002 Managed intervention and provided expert analysis and litigation support in Union Gas 'Enabling Unbundling' (RP-2000-0078) case for the WGSPG and LPMA.
 - 2001-2002 Managed intervention and provided expert analysis and litigation support in Union Gas 'Customer Review Process' (RP-2001-0029) process to establish rates for 2001 and 2002 for WGSPG and LPMA.
 - 2001-2006 Providing regulatory assistance and analysis for Kitchener Utilities.
 - 2001-2004 Providing evidence preparation and cost allocation and rate design for Five Nations Energy Inc. for pre-market and post-market (pooled) opening transmission rates and for distribution rates for related local distribution companies (Attawapiskat Power Corporation, Kashechewan Power Corporation, Fort Albany Power Corporation) for filing with the Ontario Energy Board.
 - 2000-2001 Prepared evidence on rate unbundling for Middlesex Power Distribution Corporation in accordance with the Ontario Energy Board Electricity Distribution Rate Handbook and harmonized rates from three utilities.
 - 2000-2002 Provide consulting services related to natural gas transportation, and distribution to TransAlta Energy Corporation.
 - 1999 - 2000 Managed rate case intervention and provided expert analysis and litigation support in Union Gas Unbundling and PBR rates case (RP-1999-0017) on behalf of WGSPG, Major Energy Consumers and Producers ("MECAP") and LPMA.
 - 2000 Assisted LaSalle HES in the design and implementation of an intermediate use rate. Provided assistance in preparation of Ontario Energy Board filing and OEB approval of rate addition.
 - 2000 For NRG, provided analysis and input on the proposed Distribution Access Rule at the Ontario Energy Board.
 - 2000 Prepared evidence and regulatory support for NRG for a gas cost increase proceedings (EB-2000-0113, EB-2000-0308).
 - 2000 Provided analysis of bundled and unbundled service options and costs for Trigen Energy Canada Inc.
 - 1999 For NRG, provided rate case management, expert testimony and evidence preparation for rates application.
 - 1999 Completed cost allocation and rate design study for NRG. Provided expert testimony before OEB.
 - 1999 For NRG and Six Nations Natural Gas Company Ltd., provided case management and litigation support in RP-1999-0011 (Contract between City of Kitchener and Union Gas).
 - 1999 Provided analysis of gas distribution rates for proposed Sarnia co-generation facility for TransAlta Energy Corporation.
 - 1998 Managed rate case intervention and provided evidence on behalf of WGSPG, NRG, Tractebel Power, and Northland Power in Union Gas rates proceeding (E.B.R.O. 499).

- 1998 For NRG, updated and enhanced throughput and revenue forecast models for budget and regulatory use.
- 1997 For NRG, provided rate case management, evidence preparation and expert testimony for rates application, including cost allocation and rate design study.
- 1997 For NRG, provided assistance in reviewing Legislative Change (E.B.O. 202).
- 1997 For NRG and Sunoco, provided regulatory support and analysis with respect to proposed changes to load balancing costs (E.B.R.O. 494-06).
- 1997 For NRG, prepared throughput and revenue forecast and model for use in rate case. Also prepared updated working cash study and updated depreciation study.
- 1997 For PanEnergy Marketing, provided assistance in review of merger proposal between Centra Gas Ontario and Union Gas (E.B.O. 195).
- 1996 For Ontario Hot Mix Producers Association, provided support in preparation of Letter of Comment filed at Union Gas/Centra Gas rates case (E.B.R.O. 493/494).
- 1996 For NRG, provided litigation support in the review of the rates and costs proposed by Union Gas (E.B.R.O. 493/494).
- 1996 For NRG, provided a report on the issues in the separation of ancillary programs from the regulated utility service.
- 1996 For the Electric Utilities Group, provided litigation support in the review of proposed rate changes by Ontario Hydro.
- 1996 For NRG, provided litigation support in the review of proposed gas cost adjustments by Union Gas (E.B.R.O. 486-04).
- 1996 For PanEnergy Marketing, provided a report on the determination of Buy/Sell reference prices for Ontario LDCs.
- 1996 For NRG, oversaw the implementation of revised gas sales rates and structures.
- 1996 For Direct Energy Marketing, provided an analysis of historical trends of Ontario LDC residential gas and distribution costs.
- 1995 For NRG, managed rates case, including evidence preparation, operating and capital budget preparation, gas sales and other operating revenue and rates forecasts.
- 1995 For NRG, enhanced and refined cost allocation model and rate design analysis.
- 1995 - Present Create and update monthly Purchased Gas Variation Account ("PGVA") report for NRG.
- 1995 For London Hydro, prepared a long-term outlook for the price of natural gas.
- 1995 For London Hydro, prepared a report comparing the annual cost of using natural gas by a residential customer for the period 1981 to 1995.
- 1994 For NRG, prepared a working cash study and testified about same before OEB.
- 1994 For NRG, prepared a depreciation study and testified about same before OEB.
- 1994 For NRG, developed a gas sales forecasting model and provided customer, volume and revenue forecasts. Testified on behalf of NRG in support of forecasts before OEB.
- 1994 For NRG, managed rates case, including evidence preparation, and testified on behalf of NRG before OEB. Coordinated information requirements on behalf of NRG for cost allocation, rate design and rate of return studies.
- 1994 For London Hydro, prepared a long-term outlook for the price of natural gas.
- 1994 For Key Property Management Corp., prepared a report on the practice of group billing by Union Gas.

- 1993 For NRG, managed rate case, including evidence preparation, and testified on behalf of NRG before OEB.
- 1993 For NRG, prepared a report and a financial analysis model for the feasibility analysis of system expansion projects.
- 1993 For NRG, prepared a report and model for setting water heater rental rates.

SELECT APPEARANCES BEFORE ONTARIO ENERGY BOARD

Witness

- EB-2006-0243 - Leave to Construct – Natural Resource Gas Limited
- EB-2005-0544 - Main Rates Case - Natural Resource Gas Ltd. (Rates for 2007)
- EB-2005-0188 - Natural Resource Gas Limited – Motion to Vary
- RP-2004-0167 - Main Rates Case - Natural Resource Gas Limited (Rates for 2005)
- EB-2004-0004 - PGCVA Amendment - Natural Resource Gas Limited
- RP-2002-0147 - Main Rates Case – Natural Resource Gas Limited (Rates for 2003, 2004)
- RP-2000-0023 - Distribution Rates - Hydro One Networks Inc. (on behalf of London Hydro, Ottawa Hydro, St. Catharines Hydro, Oshawa PUC Networks and Enersource Mississauga Hydro)
- RP-2001-0036 - Uniform Transmission Rates - Five Nations Energy Inc.
- RP-2000-0126 - Main Rates Case - Natural Resource Gas Ltd. (Rates for 2001, 2002)
- RP-1999-0031 - Main Rates Case - Natural Resource Gas Ltd. (Rates for 2000)
- E.B.R.O. 496 - Main Rates Case - Natural Resource Gas Ltd. (Rates for 1998, 1999)
- E.B.R.O. 491 - Main Rates Case - Natural Resource Gas Ltd. (Rates for 1996, 1997)
- E.B.R.O. 488 - Main Rates Case - Natural Resource Gas Ltd. (Rates for 1995)
- E.B.R.O. 480 - Main Rates Case - Natural Resource Gas Ltd. (Rates for 1993, 1994)
- E.B.R.O. 470 - Main Rates Case - Union Gas Ltd.
- E.B.R.O. 462 - Main Rates Case - Union Gas Ltd.
- E.B.L.O. 237 - Facilities Application - Union Gas Ltd.
- E.B.L.O. 234 - Facilities Application - Union Gas Ltd.
- E.B.L.O. 230 - Facilities Application - Union Gas Ltd.

Cross-Examination & Submissions

- EB-2007-0598 - Union Gas Fiscal 2006 Variance Account and Earnings Sharing
- EB-2006-0034 - Enbridge Gas Distribution Inc. Rates for 2007
- EB-2006-0021 - Natural Gas DSM Generic Issues
- EB-2005-0211 - Union Gas Cushion Gas Disposition
- EB-2005-0520 - Union Gas Rates for 2007
- EB-2005-0449 - Union Gas Rates for 2006
- EB-2005-0189 - Union Gas Motion to Vary
- RP-2003-0063 - Union Gas Rate Case – Fiscal 2004
- RP-2002-0158 - Review of Board's Guidelines for Setting ROE
- EB-2003-0056 - Quarterly Rate Adjustment Mechanism – Union Gas Ltd. (May, 2003)
- RP-2002-0130 - Customer Review Process – 2003 Rates - Union Gas Limited
- RP-2001-0029 - Customer Review Process - Union Gas Limited
- RP-1999-0017 - Unbundling & Performance Based Regulation - Union Gas Limited
- E.B.R.O. 499 - Main Rates Case - Union Gas Limited

PUBLICATIONS

"The Demand for Natural Gas: Modelling Conservation Due to Furnace Efficiency Improvements", American Gas Association Forecasting Review, Volume 3, April 1992.

UNIVERSITY EDUCATION

- 1983 M.A. (Economics), University of Waterloo
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