



ZIZZO
ALLAN
DEMARCO
LLP

5 Hazelton Avenue, Suite 200
Toronto, ON M5R 2E1

TEL +1.888.389.5798

FAX +1.888.734.9459

www.zadllp.com

Joanna Kyriazis

5 Hazelton Avenue, Suite 200
Toronto, ON M5R 2E1

TEL +1.888.389.5798

FAX +1.888.734.9459

joanna@zadllp.com

September 9, 2015

Filed on RESS and Sent via Courier

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

Dear Ms. Walli:

**Re: Union Gas Limited – 2014 ESM and Deferral Accounts –
Cost Claim for Association of Power Producers of Ontario (“APPPrO”)
Board File No. EB-2015-0010**

Enclosed please find APPPrO's cost claim in the above-referenced proceeding.

Please do not hesitate to contact me should you have any questions or concerns.

Sincerely,


Joanna Kyriazis

Encl.

Ontario Energy Board
COST CLAIM FOR HEARINGS



Affidavit and Summary of Fees and Disbursements

This form should be used by a party to a hearing before the Board to identify the fees and disbursements that form the party's cost claim. Paper and electronic copies of this form and itemized receipts must be filed with the Board and served on one or more other parties as directed by the Board in the applicable Board order. Please ensure all required (yellow-shaded) fields are filled in and the Affidavit portion is signed and sworn or affirmed.

Instructions

- Required data input is indicated by yellow-shaded fields. Formulas are embedded in the form to assist with calculations.
- All claims must be in Canadian dollars. If applicable, state exchange rate and country of initial currency.
Rate: 170.00 Country: Canada
- A separate "Detail of Fees and Disbursements Being Claimed" (comprising a "Statement of Fees Being Claimed" and a "Statement of Disbursements Being Claimed") is required for each lawyer, analyst/consultant and articling student/paralegal. However, only one "Summary of Fees and Disbursements" covering the whole of the party's cost claim should be provided.
- The cost claim must be supported by a completed Affidavit signed by a representative of the party.
- A CV for each consultant/analyst must be attached unless provided to the Board as prescribed on the Cost Award Tariff.

Except as provided in section 7.03 of the Practice Direction on Cost Awards, itemized receipts must be provided.

File #	EB- <u>2015-0010</u>	Process:	<u>Union 2014 ESM and Deferral Accounts</u>
Party:	<u>Association of Power Producers of Ontario (A</u>	Affiant's Name:	<u>Joanna Kyriazis</u>
HST Number:	<u>1259 8802 RT0001</u>	HST Rate Ontario:	<u>13.00%</u>
	Full Registrant <input checked="" type="checkbox"/>	Qualifying Non-Profit	<input type="checkbox"/>
	Unregistered <input type="checkbox"/>	Tax Exempt	<input type="checkbox"/>
	Other <input type="checkbox"/>		

Affidavit

I, Joanna Kyriazis, of the City/Town of Toronto
in the Province/State of Ontario, swear or affirm that:

1. I am a representative of the above-noted party (the "Party") and as such have knowledge of the matters attested to herein.
2. I have examined all of the documentation in support of this cost claim, including the attached "Summary of Fees and Disbursements Being Claimed", "Statement(s) of Fees Being Claimed" and "Statement(s) of Disbursements Being Claimed".
3. The attached "Summary of Fees and Disbursements Being Claimed", "Statement(s) of Fees Being Claimed" and "Statement(s) of Disbursements Being Claimed" include only costs incurred and time spent directly for the purposes of the Party's participation in the Ontario Energy Board process referred to above.
4. This cost claim does not include any costs for work done, or time spent, by a person that is an employee or officer of the Party as described in sections 6.05 and 6.09 of the Board's Practice Direction on Cost Awards.

Joanna Kyriazis
Signature of Affiant

Sworn or affirmed before me at the City/Town of Toronto,
in the Province/State of Ontario, on September 9, 2015.
(date)

[Signature]
Commissioner for taking Affidavits

**Ontario Energy Board
COST CLAIM FOR HEARINGS**



Affidavit and Summary of Fees and Disbursements

File # EB- 2015-0010 Process: Union 2014 ESM and Deferral Accounts

Party: Association of Power Producers of Ontario (A

Summary of Fees and Disbursements Being Claimed

Legal/consultant/other fees	\$	391.00
Disbursements	\$	16.96
HST	\$	53.03
Total Cost Claim	\$	460.99

Payment Information

Make cheque payable to: Zizzo Allan DeMarco LLP

Send payment to this address: 5 Hazelton Avenue, Suite 200
Toronto, Ontario M5R 2E1

Ontario Energy Board COST CLAIM FOR HEARINGS



Detail of Fees and Disbursements Being Claimed

File # EB- <u>2015-0010</u>	Process: <u>Union 2014 ESM and Deferral Accounts</u>
Party: <u>Association of Power Producers of Ontario (API)</u>	Service Provider Name: <u>Joanna Kyriazis</u>
SERVICE PROVIDER TYPE (check one)	Year Called to Bar <input type="text" value="2014"/>
Legal Counsel <input checked="" type="checkbox"/>	Completed Years Practising/Years of Relevant Experience <input type="text" value="2"/>
Articling Student/Paralegal <input type="checkbox"/>	
Consultant <input type="checkbox"/>	Hourly Rate: <input type="text" value="\$170"/>
Analyst <input type="checkbox"/>	
For Consultant/Analyst: <input type="checkbox"/> CV attached	HST Rate Charged (enter %) <input type="text" value="13.0%"/>
<input type="checkbox"/> CV provided within previous 24 months	

Statement of Fees Being Claimed

	Hours	Hourly Rate	Subtotal	HST	Total
Pre-hearing Conference					
Preparation		\$ 170.00	\$ -	\$ -	\$ -
Attendance		\$ 170.00	\$ -	\$ -	\$ -
Technical Conference					
Preparation		\$ 170.00	\$ -	\$ -	\$ -
Attendance		\$ 170.00	\$ -	\$ -	\$ -
Interrogatories					
Preparation	2.30	\$ 170.00	\$ 391.00	\$ 50.83	\$ 441.83
Responses		\$ 170.00	\$ -	\$ -	\$ -
Issues Conference					
Preparation		\$ 170.00	\$ -	\$ -	\$ -
Attendance		\$ 170.00	\$ -	\$ -	\$ -
ADR - Settlement Conference					
Preparation		\$ 170.00	\$ -	\$ -	\$ -
Attendance		\$ 170.00	\$ -	\$ -	\$ -
Proposal Preparation		\$ 170.00	\$ -	\$ -	\$ -
Argument					
Preparation		\$ 170.00	\$ -	\$ -	\$ -
Oral Hearing					
Preparation		\$ 170.00	\$ -	\$ -	\$ -
Attendance		\$ 170.00	\$ -	\$ -	\$ -
Other Conferences					
Preparation		\$ 170.00	\$ -	\$ -	\$ -
Attendance		\$ 170.00	\$ -	\$ -	\$ -
Case Management		\$ 170.00	\$ -	\$ -	\$ -
TOTAL SERVICE PROVIDER FEES			\$ 391.00	\$ 50.83	\$ 441.83

Ontario Energy Board
COST CLAIM FOR HEARINGS
Detail of Fees and Disbursements Being Claimed



File # EB- 2015-0010

Process: Union 2014 ESM and Deferral Accounts

Party: Association of Power Producers of

Service Provider Name: Joanna Kyriazis

Statement of Disbursements Being Claimed			
	Net Cost	HST	Total
Scanning/Photocopy			\$ -
Printing			\$ -
Courier	\$ 16.96	\$ 2.20	\$ 19.16
Telephone/Fax			\$ -
Transcripts			\$ -
Travel: Air			\$ -
Travel: Car			\$ -
Travel: Rail			\$ -
Travel (Other):			\$ -
Parking			\$ -
Taxi			\$ -
Accommodation			\$ -
Meals			\$ -
Other:			\$ -
Other:			\$ -
Other:			\$ -
TOTAL DISBURSEMENTS:	\$ 16.96	\$ 2.20	\$ 19.16

Payment due:

[15-0060] APPrO (EB-2015-0010) - Union
Earnings Sharing Mechanism
Invoice #



ZIZZO
ALLAN
DEMARCO

Invoice Issued: Sep 9, 2015

**Please make payment to Zizzo Allan
DeMarco LLP**

Zizzo Allan DeMarco LLP
5 Hazelton Avenue, Suite 200
Toronto ON M5R 2E1 Canada
1 (888) 389-5798

Billed To
Association of Power Producers of Ontario
Suite 1602
25 Adelaide Street East
Toronto ON M5C 3A1
Canada

invoice

Billable Time	\$391.00
Expenses	\$16.96
<hr/>	
	\$407.96
Taxes	\$2.20
<hr/>	
	\$410.16
Retainer Applied	\$0.00
<hr/>	
Invoice Total	\$410.16

Payment due:

INVOICE FOR COST CLAIM

invoice details

Item	Worker	Completed	Type	Hrs / Qty	Rate / Price	Taxes	Subtotal
Reviewed procedural order no. 1 and diarized dates;	Joanna Kyriazis	7/3/15	Timed	00:28	\$170.00		\$79.33
Edited, revised and filed APPrO notice of intervention;	Joanna Kyriazis	7/3/15	Timed	01:50	\$170.00		\$311.67
[DISBURSEMENT] Courier to the OEB;	Hubie Yu	5/26/15	Expense		\$16.96	HST 13%	\$16.96

Subtotal	\$407.96
HST 13%	\$2.20

Total	\$410.16
--------------	-----------------

UNITED MESSAGERS LTD.

RUSH DELIVERY SPECIALISTS

UNITED MESSAGERS LTD.
 270 DRUMLIN CIRCLE
 CONCORD, ON L4K 3E2
 PHONE: (905) 738-6447 FAX: (905) 738-9625

ZIZZO ALLAN DEMARCO LLP
 5 HAZELTON AVE STE200
 TORONTO, ON M5R2E1

ACCOUNT#: ZIZZ1F DATE: 5/31/2015
 INVOICE#: 809995 PAGE: 1
 P.O.: ACCOUNTS PAYABLE

Waybill	Date	Cost Centre/Refnum	From	To	Description	Amount
982551	5/19/2015		NORTON ROSE FULBRIGHT 200 BAY ST #34TH FLR S.TOWER TORONTO,M5J2W4	ZIZZO ALLAN DEMARCO LLP 5 HAZELTON AVE STE200 TORONTO,M5R2E1	DIR 30-60 VEHICLE	14.50 3.23 6.30
		cn:MARY ZAMBRI	RECEIVED BY: Gwen haydon	TIME: 12:23	WEIGHT	40 4.00
					TOTAL:	28.03
					HST:	3.64
993918	5/28/2015		NORTON ROSE 200 BAY ST #3400 S/TWR TORONTO,M5J2W4	ZIZZO ALLAN DEMARCO LLP 5 HAZELTON AVE STE 200 TORONTO,M5R2E1	BASIC 2-4 VEHICLE	7.25 1.76 6.30
		cn:	RECEIVED BY: guwin	TIME: 13:46	TOTAL:	15.31
					HST:	1.99
991162	5/26/2015	15-0060	ZIZZO ALLAN DEMARCO LLP 5 HAZELTON AVE STE200 TORONTO,M5R2E1	Ontario Energy Board 27th Floor, 2300 Yonge St Toronto,M4P1E4	SHOTPT1-2	15.01 1.95 16.96
		cn:Gwen Haydon	RECEIVED BY: recep	TIME: 16:19	TOTAL:	2.20
					TOTAL NUMBER OF WAYBILLS:	3
					TOTAL ALL WAYBILLS:	\$60.30
					R105452981 HST:	\$7.84
					TOTAL BILLING:	\$68.14

**UMM UNITED
MESSENGERS LTD.**
RUSH DELIVERY SPECIALISTS

ZIZZO ALLAN DEMARCO LLP
5 HAZELTON AVE STE200
TORONTO, ON M5R2E1

UNITED MESSENGERS LTD.
270 DRUMLIN CIRCLE
CONCORD, ON L4K 3E2
PHONE: (905) 738-6447 FAX: (905) 738-9625

ACCOUNT#: ZIZZ1F DATE: 5/31/2015
INVOICE#: 809995
P.O.: ACCOUNTS PAYABLE

TOTAL BILLING: \$68.14

Please Return This Page With Your Payment

Ontario Energy Board
COST CLAIM FOR HEARINGS



Affidavit and Summary of Fees and Disbursements

This form should be used by a party to a hearing before the Board to identify the fees and disbursements that form the party's cost claim. Paper and electronic copies of this form and itemized receipts must be filed with the Board and served on one or more other parties as directed by the Board in the applicable Board order. Please ensure all required (yellow-shaded) fields are filled in and the Affidavit portion is signed and sworn or affirmed.

Instructions

- Required data input is indicated by yellow-shaded fields. Formulas are embedded in the form to assist with calculations.
- All claims must be in Canadian dollars. If applicable, state exchange rate and country of initial currency.
- A separate "Detail of Fees and Disbursements Being Claimed" (comprising a "Statement of Fees Being Claimed" and a "Statement of Disbursements Being Claimed") is required for each lawyer, analyst/consultant and articling student/paralegal. However, only one "Summary of Fees and Disbursements" covering the whole of the party's cost claim should be provided.
- The cost claim must be supported by a completed Affidavit signed by a representative of the party.
- A CV for each consultant/analyst must be attached unless provided to the Board as prescribed on the Cost Award Tariff.

Rate: 330.00 Country: Canada

Except as provided in section 7.03 of the Practice Direction on Cost Awards, itemized receipts must be provided.

File # EB-	<u>2015-0010</u>	Process:	<u>Union 2014 ESM and Deferral Accounts</u>
Party:	<u>Association of Power Producers of Ontario (A</u>	Affiant's Name:	<u>John Wolnik</u>
HST Number:	<u>1259 8802 RT0001</u>	HST Rate Ontario:	<u>13.00%</u>
	Full Registrant <input checked="" type="checkbox"/>	Qualifying Non-Profit	<input type="checkbox"/>
	Unregistered <input type="checkbox"/>	Tax Exempt	<input type="checkbox"/>
	Other <input type="checkbox"/>		

Affidavit

I, Joanna Kyriazis, of the City/Town of Toronto
in the Province/State of Ontario, swear or affirm that:

1. I am a representative of the above-noted party (the "Party") and as such have knowledge of the matters attested to herein.
2. I have examined all of the documentation in support of this cost claim, including the attached "Summary of Fees and Disbursements Being Claimed", "Statement(s) of Fees Being Claimed" and "Statement(s) of Disbursements Being Claimed".
3. The attached "Summary of Fees and Disbursements Being Claimed", "Statement(s) of Fees Being Claimed" and "Statement(s) of Disbursements Being Claimed" include only costs incurred and time spent directly for the purposes of the Party's participation in the Ontario Energy Board process referred to above.
4. This cost claim does not include any costs for work done, or time spent, by a person that is an employee or officer of the Party as described in sections 6.05 and 6.09 of the Board's Practice Direction on Cost Awards.

Joanna Kyriazis
Signature of Affiant

Sworn or affirmed before me at the City/Town of Toronto,
in the Province/State of Ontario, on September 9, 2015.
(date)

[Signature]
Commissioner for taking Affidavits

**Ontario Energy Board
COST CLAIM FOR HEARINGS**



Affidavit and Summary of Fees and Disbursements

File # EB- 2015-0010 **Process:** Union 2014 ESM and Deferral Accounts

Party: Association of Power Producers of Ontario (A)

Summary of Fees and Disbursements Being Claimed

Legal/consultant/other fees	\$	6,765.00
Disbursements	\$	167.14
HST	\$	879.45
Total Cost Claim	\$	7,811.59

Payment Information

Make cheque payable to: Zizzo Allan DeMarco LLP

Send payment to this address: 5 Hazelton Avenue, Suite 200
Toronto, Ontario M5R 2E1

Ontario Energy Board COST CLAIM FOR HEARINGS



Detail of Fees and Disbursements Being Claimed

File # EB- <u>2015-0010</u>	Process: <u>Union 2014 ESM and Deferral Accounts</u>
Party: <u>Association of Power Producers of Ontario (API)</u>	Service Provider Name: <u>John Wolnik</u>
<p>SERVICE PROVIDER TYPE (check one)</p> <p>Legal Counsel <input type="checkbox"/></p> <p>Articling Student/Paralegal <input type="checkbox"/></p> <p>Consultant <input checked="" type="checkbox"/></p> <p>Analyst <input type="checkbox"/></p>	
<p>Year Called to Bar</p> <p><input style="width: 100px; height: 20px;" type="text"/></p>	<p>Completed Years Practising/Years of Relevant Experience</p> <p><input style="width: 100px; text-align: center; value: 30;" type="text"/></p>
<p>For Consultant/Analyst: <input checked="" type="checkbox"/> CV attached</p> <p><input type="checkbox"/> CV provided within previous 24 months</p>	<p>Hourly Rate: <input style="width: 100px; text-align: center; value: \$330;" type="text"/></p> <p>HST Rate Charged (enter %): <input style="width: 100px; text-align: center; value: 13.0%;" type="text"/></p>

Statement of Fees Being Claimed

	Hours	Hourly Rate	Subtotal	HST	Total
Pre-hearing Conference					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
Technical Conference					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
Interrogatories					
Preparation	6.00	\$ 330.00	\$ 1,980.00	\$ 257.40	\$ 2,237.40
Responses	7.00	\$ 330.00	\$ 2,310.00	\$ 300.30	\$ 2,610.30
Issues Conference					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
ADR - Settlement Conference					
Preparation	1.50	\$ 330.00	\$ 495.00	\$ 64.35	\$ 559.35
Attendance	3.00	\$ 330.00	\$ 990.00	\$ 128.70	\$ 1,118.70
Proposal Preparation	3.00	\$ 330.00	\$ 990.00	\$ 128.70	\$ 1,118.70
Argument					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Oral Hearing					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
Other Conferences					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
Case Management					
		\$ 170.00	\$ -	\$ -	\$ -
TOTAL SERVICE PROVIDER FEES			\$ 6,765.00	\$ 879.45	\$ 7,644.45

Ontario Energy Board
COST CLAIM FOR HEARINGS
Detail of Fees and Disbursements Being Claimed



File # EB- 2015-0010

Process: Union 2014 ESM and Deferral Accounts

Party: Association of Power Producers of

Service Provider Name: John Wolnik

Statement of Disbursements Being Claimed

	Net Cost	HST	Total
Scanning/Photocopy			\$ -
Printing			\$ -
Courier			\$ -
Telephone/Fax			\$ -
Transcripts			\$ -
Travel: Air			\$ -
Travel: Car	\$ 11.20		\$ 11.20
Travel: Rail	\$ 155.94		\$ 155.94
Travel (Other):			\$ -
Parking			\$ -
Taxi			\$ -
Accommodation			\$ -
Meals			\$ -
Other:			\$ -
Other:			\$ -
Other:			\$ -
TOTAL DISBURSEMENTS:	\$ 167.14	\$ -	\$ 167.14

JOHN WOLNIK



34 King Street East, Suite 600 | Toronto, ON M5C 2X8 | 519 474 0844 | jwolnik@elenchus.ca

ASSOCIATE, NATURAL GAS

John Wolnik is an Associate of Elenchus Research Associates Inc., and President of GSA Energy Company. He has 40 years of experience in many sectors of the natural gas and power industries working both as an independent consultant and in senior management roles for Union Gas and Westcoast Energy.

As a consultant, he has provided services for a number of companies in the areas of:

- Regulatory support for utility rate, facility and other regulatory applications before provincial and federal regulators
- Project development support for natural gas pipelines
- Development of procurement strategies for new customers requiring natural gas, distribution, transmission and storage services
- Commercial and regulatory advice on natural gas supply, transmission, storage and distribution related matters.

As Director of Business Development for Westcoast Energy with responsibility for underground gas storage and gas pipeline project evaluation and development, he acted as project manager on numerous pipeline and underground gas storage projects. John has business development experience in Canada and the US as well as international experience. Responsible for acquiring all of the Union Gas' system gas supply, John developed a strong foundation of knowledge in gas supply and transportation matters within Canada and the US. He was also instrumental in restructuring Union Gas' supply portfolio and transitioning to the market based environment upon deregulation of the industry. He is experienced in utility field operations, and engineering.

John has a Master's Degree in Business Administration and a degree in Civil Engineering both from McMaster University in Hamilton.

PROFESSIONAL OVERVIEW

Consulting Focus

Natural gas regulatory and commercial matters in transmission and distribution sectors of all the natural gas industry including pipeline and storage assessment and development

Consulting

2004 - Present

Examples of recent assignments include:

- **Actively participated for the client since 2006, in most major Ontario LDC natural gas rate, facility, and other applications in front of the Provincial regulator, including assessing customer impact, developing case strategy, cross examination and final argument**
- **Provided technical support for client to assess the impact and alternative rate strategies for TCPL rate case applications in front of the National Energy Board**
- **Effectively participated, including leading and supporting evidence in a variety of Ontario Energy Board sponsored initiatives on behalf of customers including:**
 - **Storage & Transportation Access Rule**
 - **Service Process Improvements**
 - **Storage Allocation Proceeding**
 - **Natural Gas Electricity Interface Review**
 - **Natural Gas Forum**
- **Provided support for several large volume customers to confirm the utility proposed pipeline sizing and development plan as well as assessed the potential for capital cost overrun risk**
- **Provided supported for a large volume industrial customer to negotiate commercial agreements with the natural gas utility to develop a new 60 km pipeline required to serve the customer with gas service. This included technical review of the proposed pipelines and the proposed cost estimate, as well support for the regulatory strategy and assistance to audit the costs after construction was complete**
- **Developed a direct purchase seminar for an LDC that was transitioning to an open market**
- **Actively participated in TransCanada Tolls Task force to evaluate rate and service proposals**
- **Advised gas fired generators on development and operating strategies including load balancing requirements**
- **Acted as an expert witness for litigation support**
- **Developed a commercial value for the acquisition of over 200 bcf of underground natural gas storage in Western Canada and the United States**
- **Assessed the expansion criteria for pipelines nearing capacity**
- **Assessed commercial feasibility of new underground storage projects**
- **Developed natural gas supply, transportation and storage strategies, and risk analysis for new gas fired generators and industrial customers**

- Provided site evaluation and permitting support for new generators
- Provided marketing and strategic support for new pipeline and underground storage development
- Evaluated markets and strategic value of storage for European client
- Provided support for landfill gas company to sell and transport processed landfill gas into Canadian marketplace

Union Gas

2003

- Functioned as marketing lead on a team to dispose of specific major capital assets
- Provided strategic regulatory support in the area of upstream transportation issues
- Provided marketing support for development of new products and services

Westcoast Energy

1999 - 2002

Director, Business Development

- Project Managed Westcoast's involvement in the development and construction of two major natural gas pipeline projects. Specific responsibilities included:
 - Project origination and commercial feasibility
 - Negotiation of all ownership and major development agreements
 - Company representative on partnership management committees
 - Responsible for the leadership of a team for the evaluation of a \$175 million new pipeline project, including engineering design, marketing, regulatory approvals land acquisition, and environmental considerations
- Assessed commercial and technical feasibility to develop underground compressed air energy storage
- Functioned as the commercial and technical lead on feasibility analysis of two new underground natural gas storage opportunities in Canada. Each project had an expected development cost of CDN \$100-150 million.
- Led a technical and commercial team to identify feasibility of a storage opportunity in North Western Europe.
- Facilitated stakeholder and First Nations consultations

St. Clair Pipelines (Westcoast)

1993 - 1998

Manager, Storage Business Development

- Identified and managed the evaluation of potential storage projects in Michigan and New York States as well as other storage projects that supported Westcoast initiatives including projects in the Pacific Northwest area of the US, Alberta and the East Coast of Canada.

- Leadership of a multi-disciplinary team consisting of internal personnel and outside consultants to competitively bid and subsequently evaluate the conversion of four gas fields to underground storage in Australia. This included a full technical and commercial review, and development recommendations. These fields were developed and are currently in operation today based on the work completed.
- Managed the company's interests in a New York State based storage project and also recommended that the company exit the project when the development risks exceeded the corporate risk appetite.

Union Gas **1991 - 1993**
Manager, Storage Business Developments

- Led a team in evaluating commercial and technical aspects of new storage opportunities in Michigan and New York States, including developing "go/no-go" criteria, ownership structures and potential partners.

Union Gas **1987 - 1991**
Manager, Gas Purchasing

- Negotiated new and re-negotiated pricing and volume terms in existing gas supply and transportation contracts for up to 250 bcf annually (annual value over \$500 million), resulting in reduced gas supply costs each year and defended the results before the Ontario Energy Board.
- Managed a commercial arbitration with one supplier resulting in a cost reduction of approximately \$6 million annually.
- Instituted a new program to acquire competitive alternate supplies in an era when this had not been accomplished before.

Union Gas **1984 - 1987**
Manager, Engineering Project Analysis

- Project managed Union's interest in a large growth phase for expansion of storage and transportation activities
- Identified the potential, and managed the opening of a mothballed interconnect with a US pipeline. This resulted in significant new competitive opportunities and continued savings of gas supply costs.
- Developed the first Ontario based deregulated gas sales into the US.

**Union Gas
Operation Management Roles Manager**

1976 - 1984

- Held various management positions in Chatham, Hamilton and Halton Divisions
- Managed operating group of approximately 75 employees, including unionized staff.
- Managed pipeline, engineering and construction program.
- Successfully managed a new operating division for the company in Halton to create regionalized customer service and plant maintenance functions.

**Union Gas
Engineering Roles**

1974 - 1976

- Various design responsibilities

ACADEMIC ACHIEVEMENTS

May 1984 **Masters of Business Administration, McMaster University, Hamilton**
May 1974 **Bachelor of Engineering (Civil), McMaster University, Hamilton**

Lelenchus

34 King St East
6th Floor
Toronto, Ontario
M5C 2X8

Invoice

Date	Invoice #
31/07/2015	2015269

Invoice To
APPrO 25 Adelaide St. East Suite 1602 Toronto, ON M5C 3A1 Attn: Karla Martinez

P.O. No.	Terms
	Net 30

Project					
EB-2015-0010					
Date	Item	Description	Hours	Rate	Amount
01/07/2015	Interrogatories - Responses	Union 2014 Deferral Account			
		Review IR Responses	3.25	330.00	1,072.50
02/07/2015	Interrogatories - Responses	Review IR Responses	2	330.00	660.00
03/07/2015	Interrogatories - Responses	Review IR Responses	1.25	330.00	412.50
07/07/2015	Interrogatories - Responses	Review IR Responses	0.5	330.00	165.00
08/07/2015	ADR-Settle Conf-Prep		1.5	330.00	495.00
08/07/2015	ADR-Settle Conf-Attend		3	330.00	990.00
10/07/2015	ADR-Settle Conf-Proposal Prep		0.5	330.00	165.00
14/07/2015	ADR-Settle Conf-Proposal Prep	Correspondence	0.5	330.00	165.00
15/07/2015	ADR-Settle Conf-Proposal Prep	Correspondence	0.5	330.00	165.00
16/07/2015	ADR-Settle Conf-Proposal Prep	Correspondence	0.5	330.00	165.00
17/07/2015	ADR-Settle Conf-Proposal Prep	Correspondence	0.5	330.00	165.00
18/07/2015	ADR-Settle Conf-Proposal Prep	Review Settlement	0.25	330.00	82.50
23/07/2015	ADR-Settle Conf-Proposal Prep	Correspondence	0.25	330.00	82.50
		Subtotal			4,785.00
	Client Costs				
31/07/2015		Train Fare	1	155.94	155.94
31/07/2015		Mileage (28km x \$0.40)	1	11.20	11.20
					167.14
		HST on Sales		13.00%	622.05
			Subtotal		\$4,952.14
Make Cheque Payable to: Elenchus Research Associates Inc. Billing Inquiries: Rachel Chua 416-348-9917 x30 rchua@elenchus.ca			HST#861367431		\$622.05
			Total		\$5,574.19

Itinerary

LONDON - TORONTO UNION STATION, Wednesday Jul 8, 2015

> Modify this trip

Departs: **06:25 AM**

Arrives: **08:35 AM**

Train :**82**

Class: **Business Plus**

TORONTO UNION STATION - LONDON, Wednesday Jul 8, 2015

> Modify this trip

Departs: **17:30 PM**

Arrives: **19:55 PM**

Train :**75**

Class: **Business Plus**

Economy Class Equivalent

LONDON - TORONTO UNION STATION, Wednesday Jul 8, 2015

> Modify this trip

Departs: **06:25 AM**

Arrives: **08:35 AM**

Train :**82**

Class: **Economy**

TORONTO UNION STATION - LONDON, Wednesday Jul 8, 2015

> Modify this trip

Departs: **17:30 PM**

Arrives: **19:55 PM**

Train :**75**

Class: **Economy**

FARE DETAILS

Shop for Fares

Passenger 1 (Adult)

\$155.94

Fare: \$138.00 G.S.T./H.S.T.: \$17.94 P.S.T.: \$0.00

TOTAL CAD\$: \$155.94

2015 269

Elenchus

34 King St East
 6th Floor
 Toronto, Ontario
 M5C 2X8

Invoice

Date	Invoice #
30/06/2015	2015241

Invoice To
APPRO 25 Adelaide St. East Suite 1602 Toronto, ON M5C 3A1 Attn: Karla Martinez

P.O. No.	Terms
	Net 30

Project					
EB-2015-0010					
Date	Item	Description	Hours	Rate	Amount
04/06/2015	Interrogatories - Preparation	Analysis of application HST on Sales	3	330.00 13.00%	990.00 128.70
			Subtotal		\$990.00
Make Cheque Payable to: Elenchus Research Associates Inc. Billing Inquiries: Rachel Chua 416-348-9917 x30 rchua@elenchus.ca			HST#861367431		\$128.70
			Total		\$1,118.70



34 King St East
 6th Floor
 Toronto, Ontario
 M5C 2X8

Invoice

Date	Invoice #
31/05/2015	2015175

Invoice To
APPrO 25 Adelaide St. East Suite 1602 Toronto, ON M5C 3A1 Attn: Karla Martinez

P.O. No.	Terms
	Net 30

Project

EB 2015-0010

Date	Item	Description	Hours	Rate	Amount
13/05/2015	Interrogatories - Preparation	Union 2014 Deferral Account			
		Review Application	0.5	330.00	165.00
14/05/2015	Interrogatories - Preparation	Review Application	0.5	330.00	165.00
15/05/2015	Interrogatories - Preparation	Review Application	0.25	330.00	82.50
16/05/2015	Interrogatories - Preparation	Review Application	1	330.00	330.00
17/05/2015	Interrogatories - Preparation	Seek instructions	0.25	330.00	82.50
19/05/2015	Interrogatories - Preparation	Draft Intervention Notice	0.5	330.00	165.00
		Subtotal			990.00
		HST on Sales		13.00%	128.70

Subtotal	\$990.00
-----------------	----------

Make Cheque Payable to: Elenchus Research Associates Inc. Billing Inquiries: Rachel Chua 416-348-9917 x30 rchua@elenchus.ca	HST#861367431	\$128.70
	Total	\$1,118.70