

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 d	ata input is indica	ted by yellow-shad	ed fields. Fo	ormulas are embedded in the form to assist	with calculations.
- All claims n	nust be in Canadia	n dollars. If applic	able, state e	exchange rate and country of initial currency	
			Rate:	Country:	
Disbursement However, or - The cost cla - A CV for ea	nts Being Claimed nly one "Summary aim must be supp ach consultant/ana	") is required for ea of Fees and Disbur orted by a complet alyst must be attacl	sch lawyer, a sements" co ed Affidavit ned unless p	d" (comprising a "Statement of Fees Being C inalyst/consultant and articling student/para overing the whole of the party's cost claim sl signed by a representative of the party. rovided to the Board as prescribed on the Co Direction on Cost Awards, itemized receipts	alegal. nould be provided. ost Award Tariff.
File # EB-	2013-0421			Process: HONI Essex County SECTR I	Project
Party:	Entegrus Powe	erlines Inc. (E3 Co	palition)	Affiant's Name: Ian Mondrow	S. S. J. C. C. D.
HST Numb	er: 89429 00	014 RT0001		HST Rate Ontario:	13.00%
		Full Registrant		Qualifying Non-Profit	
		Unregistered		Tax Exempt	
		Other		in case 6	
				Affidavit	
i,		an Mondrow		, of the City/Town of	Thornhill
in the Pro	vince/State of	0	ntario	, swear or aff	irm that:
2. I have exa Being Claim 3. The attac Disburseme Ontario Ene 4. This cost	emined all of the o ed", "Statement(s thed "Summary of ents Being Claimed ergy Board process claim does not ind	locumentation in so) of Fees Being Clai Fees and Disburser I" include only costs is referred to above clude any costs for	upport of thi med" and "S ments Being s incurred ar work done, o	") and as such have knowledge of the matter is cost claim, including the attached "Summa statement(s) of Disbursements Being Claime Claimed", "Statement(s) of Fees Being Claimend time spent directly for the purposes of the purposes of the purpose	ary of Fees and Disbursements d". ned" and "Statement(s) of e Party's participation in the
	- Fine	Mond	dea		
Signature	of Affiant				
Sworn or	affirmed before	re me at the City	//Town of	Toronto	
in the Pro	vince/State of		Ontario	, on	1.2015
		32		2 4 62	
Commissi	ioner for taking	Affidavits		Page 1 of 2	

DAUD A. CAMPBORE



Affidavit and Summary of Fees and Disbursements

2013 0421		1100033	TION ESSEX COUNTY SECTION FOR
Entegrus Powerlines I	nc. (E3 Coalitio	n)	
Su	mmary of Fee	es and Disburse	ments Being Claimed
sultant/other fees	\$	52,414.50	
nents	\$	141.63	
	\$	6,827.77	
t Claim	\$	59,383.90	1/3 of total costs claimed by Entegrus Powerlines Inc. = \$19,794.63
	Sultant/other fees nents	Summary of Fee sultant/other fees \$ nents \$ \$	Summary of Fees and Disburse sultant/other fees \$ 52,414.50 nents \$ 141.63 \$ 6,827.77

Process: HONI Essex County SECTR Project

Payment Information

Make cheque payable to:	Entegrus Powerlines Inc.
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File # FB- 2013-0421

Send payment to this address: David Ferguson, Director of Regulatory Affairs

Entegrus Powerlines Inc.

320 Queen Street, P.O. Box 70

Chatham, Ontario N7M 5K2



Detail of Fees and Disbursements Being Claimed

File # EB-	2013-0421		Process: H	IONI Essex County SECTR Proje	ect	
Party:	Entegrus Powerlines Inc. (E3 Coa	lition)	Service Provider Name: lan Mondrow (Gowlings)			
	SERVICE PROVIDER TYPE	(check one)	Year Called to Bar	Completed Practising/Years Experie	of Relevant	
	Legal Counsel	7	1991	24	===:	
	Articling Student/Paralegal Consultant Analyst			Hourly Rate:	\$330	
	For Consultant/Analyst:	CV atta	ched vided within previou	HST Rate Charged (enter %):	13.0%	

Statement of Fees Being Claimed											
	Hours	Hourly Rate		Subtotal		HST		Total			
Pre-hearing Conference											
Preparation		\$	330.00	\$		\$		\$	9		
Attendance		\$	330.00	\$	¢	\$		\$	8		
Technical Conference											
Preparation	20.0	\$	330.00	\$	6,600.00	\$	858.00	\$	7,458.00		
Attendance	9.5	\$	330.00	\$	3,135.00	\$	407.55	\$	3,542.55		
Interrogatories											
Preparation	19.9	\$	330.00	\$	6,567.00	\$	853.71	\$	7,420.71		
Responses	4.3	\$	330.00	\$	1,419.00	\$	184.47	\$	1,603.47		
Issues Conference				-							
Preparation		\$	330.00	\$	+	\$		\$	×		
Attendance		\$	330.00	\$		\$		\$			
ADR - Settlement Conference											
Preparation		\$	330.00	\$		\$	-	\$	-		
Attendance		\$	330.00	\$		\$		\$	×		
Proposal Preparation		\$	330.00	\$		\$		\$	-		
Argument				10.7							
Preparation		\$	330.00	\$		\$	- ×	\$	×		
Oral Hearing											
Preparation	30.7	\$	330.00	\$	10,131.00	\$	1,317.03	\$	11,448.03		
Attendance		\$	330.00	\$	-	\$		\$	4		
Other Conferences		100									
Preparation		\$	330.00	\$		\$		\$	9-		
Attendance		\$	330.00	\$		\$		\$	-		
Case Management		\$	170.00	\$		\$	P 2	\$			
TOTAL SERVICE PROVIDER FEES				\$	27,852.00	\$	3,620.76	\$	31,472.76		



Detail of Fees and Disbursements Being Claimed

File # EB-	2013-0421	Process:	HONI Essex County SECTR Project	

Party: Entegrus Powerlines Inc. (E3 Co. Service Provider Name: Ian Mondrow (Gowlings)

	N.	Net Cost				Total
			_	HST		
Scanning/Photocopy	\$	1.25	\$	0.16	\$	1.41
Printing			M		\$	
Courier	\$	76.01	\$	9.88	\$	85.89
Telephone/Fax	\$	29.52	\$	3.84	\$	33.36
Transcripts					\$	
Travel: Air					\$	
Travel: Car					\$	h.
Travel: Rail					\$	- 2
Travel (Other):					\$	-
Parking	\$	22.85			\$	22.85
Taxi					\$	
Accommodation					\$	-
Meals					\$	
Other:					\$	-
Other:					\$	-
Other:					\$	-
TOTAL DISBURSEMENTS:	I \$	129.63	Ś	13.88	\$	143.51



December 10, 2014 INVOICE: 18106267

Due From	Fee %	Disb %	Amount Owing
ENTEGRUS Powerlines Inc.	33.3	33.3	
E.L.K. Energy Inc.	33.3	33.4	
Essex Powerlines Corporation	33.3	33.4	



December 10, 2014 INVOICE: 18106267

ENTEGRUS Powerlines Inc. Our Matter: T1002916

Hydro One Windsor-Essex Transmission Reinforcement

Application (EB-2013-0421)

PROFESSIONAL SERVICES

	Date	Hours	Timekeeper	Description
OH-P	20/11/2014	0.30	Ian Mondrow	Discussion with OEB Staff relating to status and client interests/concerns; update note to client group;
OH-P	24/11/2014	3.60	Ian Mondrow	Review relevant portions of H1 application and draft letter to OEB relating to issues, participation and cost eligibility;
OH-P	25/11/2014	1.10	Ian Mondrow	Call with client group to review comments on draft letter; message to OEB Staff relating to expectations on letter timing;
OH-P	26/11/2014	2.00	Ian Mondrow	Review and revise OEB participation/cost eligibility letter;

Total Fees for Professional Services

SUMMARY OF FEES

TK#	TK Name		Hours
1760	Mondrow, Ian		7.00
		Total	7.00

DISBURSEMENTS

Taxable Costs

Courier \$8.03

Total Taxable Disbursements \$8.03

GOWLING, LAFLEUR & HENDERSON

Blizzard Courier Orders Date Range: 2014.11.23 to 2014.11.30 inclusive

Created: 20141202 15:05:38 ver: 2.9.27

# Waybill	Srv Type	Order Time	Pickup Address	DropOff Address	Reff	Received By	\$	Agent
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46 724-	2	1126	100 King St	2300 Yonge St	1760 - I.Mondrow -	nicole	8.03 X
1318	(nd)	17:49	West	Toronto	T1002916	1127 10:06	



December 31, 2014 INVOICE: 18131105

Due From	Fee %	Disb %	Amount Owing
ENTEGRUS Powerlines Inc.	0.0	33.3	
E.L.K. Energy Inc.	0,0	33,3	
Essex Powerlines Corporation	0.0	33.3	



December 31, 2014 INVOICE: 18131105

ENTEGRUS Powerlines Inc.
Our Matter: T1002916
Hydro One Windsor-Essex Transmission Reinforcement
Application (EB-2013-0421)

DISBURSEMENTS

Taxable Costs

Conference Call Expenses

\$20.22

Total Taxable Disbursements

\$20.22

CONFERENCE CALL DISBURSEMENT DETAIL

Date	Status	Bill Num	Cost Code	Base Amt	Billed Am	Tobill Amt	Disb Ref	Narrative
11/25/2014	В	18131105	1680	\$20.22	\$20.22	\$20.22		VENDOR: ConferTel; INVOICE#: 4128; DATE: 11/30/2014 - November 2014 ConferTel Services - Conference Call Charges: C Stephens



February 10, 2015 INVOICE: 18152569

Due From	Fee %	Disb %	Amount Owing
ENTEGRUS Powerlines Inc.	33.3	0,0	
E.L.K. Energy Inc.	33.3	0.0	
Essex Powerlines Corporation	33.3	0.0	



February 10, 2015 INVOICE: 18152569

ENTEGRUS Powerlines Inc. Our Matter: T1002916

Hydro One Windsor-Essex Transmission Reinforcement

Application (EB-2013-0421)

PROFESSIONAL SERVICES

Date	Hours	Timekeeper	Description
28/01/2015	0.20	Ian Mondrow	Review OEB notice and Procedural Order on new process and
			"E3" coalition cost eligibility:

Total Fees for Professional Services

SUMMARY OF FEES

TK#	TK Name		Hours
1760	Mondrow, Ian		0.20
		Total	0.20



March 17, 2015 INVOICE: 18172500

Due From	Fee %	Disb %	Amount Owing
ENTEGRUS Powerlines Inc.	33.3	33.4	
E.L.K. Energy Inc.	33.3	33.3	
Essex Powerlines Corporation	33.3	33.3	



March 17, 2015 INVOICE: 18172500

ENTEGRUS Powerlines Inc. Our Matter: T1002916

Hydro One Windsor-Essex Transmission Reinforcement

Application (EB-2013-0421)

PROFESSIONAL SERVICES

	Date	Hours	Timekeeper	Description
0H - P	03/02/2015	0.20	Ian Mondrow	Discussion with M. Tucci (EDA) relating to issues and scope for Phase 2 of proceeding;
04-P	04/02/2015	1.20	Ian Mondrow	Call with hearing team relating to Phase 2 work program and next steps;
OH-P	10/02/2015	1.70	Ian Mondrow	Drafting procedural letter to OEB relating to Phase 2; modelling case plan and associated fee proposal; revisions to procedural letter per comments received;
IR-P	17/02/2015	1.10	Ian Mondrow	Call to review first draft interrogatories;
IR-P	27/02/2015	2.70	Ian Mondrow	Detailed review of pre-filed evidence (including update) and consider additional interrogatories;

Total Fees for Professional Services

SUMMARY OF FEES

TK#	TK Name		Hours
1760	Mondrow, Ian		6.90
		Total	6.90

DISBURSEMENTS

Taxable Costs	
Scanning Service	\$0.50
Courier	\$8.03
Total Taxable Disbursements	\$8.53

SCANNING DISBURSEMENT DETAIL

Date	Status	Bill Num	Cost Code	Base Ami	Billed Amt	Tobill Amt	Disb Ref	Narrative
7		17.0		1-7-				Scans=2 Time: 1115
02/12/2015	В	18172500	1005	\$0.50	\$0.50	\$0.50	GALLERO	EquipmentID:2.16.147

GOWLING, LAFLEUR & HENDERSON

Blizzard Courier Orders

Date Range: 2015.02.08 to 2015.02.14 inclusive

Created: 20150218 14:20:56 ver: 2.9.27

# Waybill T	srv ype	Order Time	Pickup Address	DropOff Address	Reff	Received By	\$	Agent
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45 726- 9755 2	0212 12:26	100 King St West	2300 Yonge St	1760 - i.mondrow - t10002916	Nicole 0212 16:16	8.03 E
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April 14, 2015 INVOICE: 18189059

Due From	Fee %	Disb %	Amount Owing
ENTEGRUS Powerlines Inc.	33.3	33.3	
E.L.K. Energy Inc.	33.3	33.4	
Essex Powerlines Corporation	33.3	33.4	



April 14, 2015 INVOICE: 18189059

ENTEGRUS Powerlines Inc. Our Matter: T1002916

Hydro One Windsor-Essex Transmission Reinforcement

Application (EB-2013-0421)

PROFESSIONAL SERVICES

	Date	Hours	Timekeeper	Description
IR-P	02/03/2015	0.10	Ian Mondrow	Review Staff interrogatories;
TR-P	03/03/2015	1.70	Ian Mondrow	Continue review of filing and considering interrogatories;
IR-P	05/03/2015	1.00	Ian Mondrow	Conclude review of prefiled materials;
IR-P	06/03/2015	2.70	Ian Mondrow	Complete review of prefiled evidence; reviewing OEB connection cost responsibility rules and recent policy statements;
IR-P	08/03/2015	1.30	Ian Mondrow	Detailed review and consideration of cost allocation evidence and consider further interrogatories;
IR-P	09/03/2015	0.10	Ian Mondrow	Review recent e-mail relating to additional interrogatory areas;
IR-P	10/03/2015	1.00	Ian Mondrow	Call to review revised interrogatories and discuss additional issues/concerns;
IR-P	13/03/2015	4.50	Ian Mondrow	Review, revise and draft interrogatories and send to M. Roger for review;
IR-P	15/03/2015	0.50	Ian Mondrow	Review M. Roger comments on draft interrogatories and incorporate with further revisions for review by M. Roger;
IR-P	17/03/2015	0.30	Ian Mondrow	Commence review of H1 Phase 1 interrogatories;
IR-P	18/03/2015	2.50	Ian Mondrow	Conclude review of H1 Phase 1 IRs; review M. Roger draft IR comments; revisions to draft IRs to respond to comments and to incorporate new evidence;
OA -P	20/03/2015	0.10	Ian Mondrow	Review new Procedural Order;
OH-P	23/03/2015	0.50	Ian Mondrow	Review e-mails relating to further questions; call with A. Sasso (EnWin) and note to client group;

Total Fees for Professional Services

SUMMARY OF FEES

TK#	TK Name		Hours
1760	Mondrow, Ian		16.30
		Total	16.30

DISBURSEMENTS



April 14, 2015 INVOICE: 18189059

Taxable Costs

Courier

\$8.03

Total Taxable Disbursements

\$8.03

GOWLING, LAFLEUR & HENDERSON

Blizzard Courier Orders

Date Range: 2015.03.15 to 2015.03.21 inclusive

Created: 20150324 10:54:05 ver: 2.9.27

# Waybill	Srv Type	Order Time	Pickup Address	DropOff Address	Reff	Received By	\$	Agent
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40 728- 3031	2 (nd)	0318 17:43	100 King St West	2300 Yonge St Toronto 1760 - I.Mondrow - T1002916	nicole 0319 10:52	8.03	Х
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May 21, 2015 INVOICE: 18212773

Due From	Fee %	Disb %	Amount Owing
ENTEGRUS Powerlines Inc.	33.3	33.3	
E.L.K. Energy Inc.	33.3	33.4	
Essex Powerlines Corporation	33.3	33.4	



May 21, 2015 INVOICE: 18212773

ENTEGRUS Powerlines Inc. Our Matter: T1002916

Hydro One Windsor-Essex Transmission Reinforcement

Application (EB-2013-0421)

PROFESSIONAL SERVICES

	Date	Hours	Timekeeper	Description
IR-P	06/04/2015	0.40	Ian Mondrow	Reviewing recent e-mails and some Phase 2 interrogatories;
IRR	14/04/2015	0.50	Ian Mondrow	Review e-mail relating to E3 member information in response to IRs to HONI and provide guidance on response options;
IRR	15/04/2015	1.80	Ian Mondrow	Call with client team relating to Hydro One request for information and draft proposed response; revise HONI communication relating to need for further information from HONI and dispatch;
IRR	16/04/2015	0.10	Ian Mondrow	Review e-mail response from HONI relating to CME interrogatory and provide clarification in reply;
IRR	27/04/2015	0.20	Ian Mondrow	Review recent e-mail and Elenchus IR data summary;
IRR	28/04/2015	1.70	Ian Mondrow	Commence IR review; call to review status of record; further information required and position on filing evidence;
TC-P	29/04/2015	1.40	Ian Mondrow	Draft letter relating to intention to file evidence and request for technical conference; review comments and revise draft letter;
TC-P	30/04/2015	0.20	Ian Mondrow	Review party correspondence relating to filing of evidence;

Total Fees for Professional Services

SUMMARY OF FEES

TK#	TK Name	Rate
1760	Mondrow, Ian	770.00
		Total

DISBURSEMENTS

Taxable Costs	
Scanning Service	\$0.75
Courier	\$8.03
Total Taxable Disbursements	\$8.78

SCANNING DISBURSEMENT DETAIL

Date	Status	Bill Num	Cost Code	Base Amt	Billed Am	Tobill Am	Disb Ref	Narrative
04/29/2015	В	18212773	1005	\$0.75	\$0.75	\$0.75	GALLERC	Scans=3 Time:1530 EquipmentID:2.16.147

GOWLING, LAFLEUR & HENDERSON

Blizzard Courier Orders

Date Range: 2015.04.26 to 2015.04.30 inclusive

Created: 20150501 13:28:15 ver: 2.9.27

# Waybill Srv Type	Order Time	Pickup Address	DropOff Address	Reff	Received By	\$	Agent
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43 730- 0165	2 0429 (nd) 16:44	100 King St West	2300 Yonge St Toronto	1760 - I.Mondrow - T1002916	fatima 0430 09:45	8,03	X
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June 26, 2015 INVOICE: 18236679

Due From	Fee %	Disb %	Amount Owing
ENTEGRUS Powerlines Inc.	33.3	33.4	
E.L.K, Energy Inc.	33.3	33.3	
Essex Powerlines Corporation	33.3	33.3	



June 26, 2015 INVOICE: 18236679

ENTEGRUS Powerlines Inc. Our Matter: T1002916

Hydro One Windsor-Essex Transmission Reinforcement

Application (EB-2013-0421)

PROFESSIONAL SERVICES

	Date	Hours	Timekeeper	Description
TC-P	05/05/2015	0.30	Ian Mondrow	Review HONI procedural letter and comments to client group;
TC-P	06/05/2015	0.80	Ian Mondrow	Draft OEB process letter relating to Hydro One's Technical Conference comments;
TC-P	24/05/2015	0.40	Ian Mondrow	Review recent e-mail relating to LDC meeting and recent Procedural Order;
TC-P	25/05/2015	1.00	Ian Mondrow	Review e-mail relating to LDC meeting; client group call relating to status, issues and next steps;
TC-P	29/05/2015	1.80	Ian Mondrow	Review various comments on Technical Conference questions; drafting letter to file relating to topic areas; review questions filed by other parties;
TC-P	30/05/2015	3,00	Ian Mondrow	Continue review of materials and preparation for Technical Conference;
TC-P	31/05/2015	1.80	Ian Mondrow	Continue review of materials and preparation for Technical Conference;

Total Fees for Professional Services

SUMMARY OF FEES

TK#	TK Name		Hours
1760	Mondrow, Ian		9.10
		Total	9.10

DISBURSEMENTS

Taxa	bl	e	Costs

LAXABLE COSTS	
Courier	\$16.06
Conference Call Expenses	\$9.18
Total Taxable Disbursements	\$25.24

GOWLING, LAFLEUR & HENDERSON

Blizzard Courier Orders

Date Range: 2015.05.24 to 2015.05.31 inclusive Created: 20150602 17:03:00 ver: 2.9.27

# Waybill Sry	Order Picke	p DropOff ss Address	Reff	Received By	\$	Agent
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65 731- 1752	2 (nd)	0529 17:20	100 King St West	2300 Yonge St	1760 - i modrow - t1002916	fatima 0601 08:31	8.03 Y
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CONFERENCE CALL DISBURSEMENT DETAIL

Date	Status	Bill Num	Cost Code	Base Amt	Billed Amt	Tobill Amt	Disb Ref	Narrative
04/15/2015	В	18236679	1680	\$9.18	\$9.18	\$9.18		VENDOR: ConferTel; INVOICE#: 5496; DATE: 04/30/2015 - April 2015 ConferTel Services - Conference Call Charges: C Stephens



July 28, 2015 INVOICE: 18255641

Due From	Fee %	Disb %	Amount Owing
ENTEGRUS Powerlines Inc.	33.3	33.4	
E.L.K. Energy Inc.	33.3	33.3	
Essex Powerlines Corporation	33.3	33.3	



July 28, 2015 INVOICE: 18255641

ENTEGRUS Powerlines Inc. Our Matter: T1002916

Hydro One Windsor-Essex Transmission Reinforcement

Application (EB-2013-0421)

PROFESSIONAL SERVICES

	Date	Hours	Timekeeper	Description
TC-P	01/06/2015	4.10	Ian Mondrow	Continue review of materials and Technical Conference preparation; meeting with M. Roger to review questions/issues;
TC-P	04/06/2015	5.20	Ian Mondrow	Review materials and organize questions for Technical Conference;
TC-A	05/06/2015	9.50	Ian Mondrow	Complete preparation for and attend Technical Conference;
0H -P	09/06/2015	1.40	Ian Mondrow	Client group call relating to next steps and outline for evidence;
OH -P	10/06/2015	0.40	Ian Mondrow	Review A. Sasso e-mail relating to issues for discussion; note to client group; review additional interrogatory response filing;
OH-P	15/06/2015	1.00	lan Mondrow	Review CME and recent EnWin correspondence; discussion with A. Sasso at EnWin; update note to coalition members;
OH-P	18/06/2015	1.30	Ian Mondrow	Review recent e-mails relating to transcript undertaking responses; review undertaking responses;
0H-P	19/06/2015	2.90	Ian Mondrow	Review Technical Conference transcript portions relating to cost allocation policy proposal; commence drafting structure for E3 evidence;
OH-P	20/06/2015	0.50	Ian Mondrow	Review rate impact models from Elenchus and note to group relating to suggestions for data presentation in evidence;
OH-P	21/06/2015	1.20	Ian Mondrow	E-mail correspondence relating to cost allocation scenarios for analysis; finalize draft for E3 Coalition evidence and send to client group for review;
OH-P	22/06/2015	1.70	Ian Mondrow	Call with client group to review Elenchus calculations and draft approach to evidence; review Procedural Order No. 6; review HONI response to CME Technical Conference questions;
OH-P	23/06/2015	0.30	Ian Mondrow	Review e-mail correspondence relating to comments on customer impact analysis and draft evidence;
OA-P	25/06/2015	2.40	Ian Mondrow	Review recent e-mail; review all comments on draft evidence and revise; circulate draft #2 with suggestions for steps towards finalizing;
OH. P	26/06/2015	4.10	Ian Mondrow	Call to review draft evidence; drafting revisions to evidence;
0H - P	28/06/2015	1.10	Ian Mondrow	Review e-mail relating to comments on revised evidence; create revised version of evidence and circulate comparison for review;
OH-P	29/06/2015	1.00	Ian Mondrow	Review additional comments on draft evidence; revise; review attachments; direct finalization and filing;

Total Fees for Professional Services



July 28, 2015 INVOICE: 18255641

SUMMARY OF FEES

TK#	TK Name		Hours
1760	Mondrow, Ian		38.10
		Total	38.10

DISBURSEMENTS

Taxable Costs

Long Distance Te	lephone	\$0.12
Courier		\$11.77
05/06/2015	Parking & Tolls - Local Travel VENDOR: Mondrow, Ian INVOICE#: 0859583506091209 DATE: 06/09/2015	\$20.22

Mondrow, Ian, Parking at OEB for attendance at HONI SECTR Technical Conference. 06/05/15

Total Taxable Disbursements \$32.11

LONG DISTANCE TELEPHONE DISBURSEMENT DETAIL

Cost ID	Authorized By	Date	Cost	Tax Flag	Cost Description	Amount	Sum on	Print on Bill	Phase
42700055	1760	01/06/15	1030	Y	Taxable: Long Distance Telephone Ext.84670 Time: 13:18 Phone#:15197379811 Ongodos: MONDROWI	\$0.12	Y	Y	1000

GOWLING, LAFLEUR & HENDERSON

Blizzard Courier Orders

Date Range: 2015.06.21 to 2015.06.30 inclusive

Created: 20150703 15:46:33 ver: 2.9.27

# Waybill S	v Order pe Time	Pickup Address	DropOff Address	Reff	Received By	\$	Agent
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61 732- 3140 1	The second second	100 King St West	2300 Yonge St Toronto		Melaine 0629 16:58	11.77 A
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T1002916



August 20, 2015 INVOICE: 18269858

Due From	Fee %	Disb %	Amount Owing
ENTEGRUS Powerlines Inc.	33.3	33.3	
E.L.K. Energy Inc.	33.3	33.4	
Essex Powerlines Corporation	33.3	33.4	



August 20, 2015 INVOICE: 18269858

ENTEGRUS Powerlines Inc. Our Matter: T1002916

Hydro One Windsor-Essex Transmission Reinforcement

Application (EB-2013-0421)

PROFESSIONAL SERVICES

Date	Hours	Timekeeper	Description
06/07/2015	0.10	Ian Mondrow	Review HONI additional submission relating to distribution costs of alternatives and conclusion of Phase 1;
16/07/2015	0.40	Ian Mondrow	Review Phase 1 decision;

Total Fees for Professional Services

SUMMARY OF FEES

TK#	TK Name		Hours
1760	Mondrow, Ian		0.50
		Total	0.50

DISBURSEMENTS

Taxable Costs

02/07/2015	Courier	\$8.03

BLIZZARD 1 Piece(s) 100 King St West --> 2300 Yonge St

Total Taxable Disbursements \$8.03

GOWLING, LAFLEUR & HENDERSON

Blizzard Courier Orders Date Range: 2015.07.01 to 2015.07.11 inclusive

Created: 20150716 11:58:12 ver: 2.9.27

# Waybil	Srv Order Type Time	Pickup Address	DropOff Address	Reff	Received By	\$	Agent
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	732- 4288 2	0702 12:49	100 King St West	2300 Yonge St	1760 - mondrow - t1002616	fatima 0702 14:40	8.03	G
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Ontario Energy Board COST CLAIM FOR HEARINGS



Detail of Fees and Disbursements Being Claimed

File # EB-	2013-0421		Process: HONI Esse	ex County SECTR Project	
Party:	Entegrus Powerlines Inc. (E3 Coa	lition)	Service Provider Na	me: Michael J. Roger (Elench	us)
	SERVICE PROVIDER TYPE	(check one)	Year Called to Bar	Completed Years Practising/Years of Relevan Experience	it
	Legal Counsel			35	
	Articling Student/Paralegal Consultant Analyst	I I I		Hourly Rate: \$250	
	For Consultant/Analyst:	CV attac	ched HST Ridded within previous 24 month	ate Charged (enter %): 13.0%	

St	atement o	f Fe	es Being	Cla	imed		
	Hours	Но	urly Rate		Subtotal	HST	Total
Pre-hearing Conference							
Preparation		\$	250.00	\$	- 4	\$ - 4	\$
Attendance		\$	250.00	\$	- 3	\$ - 125	\$ 4.0
Technical Conference							
Preparation	9.7	\$	250.00	\$	2,425.00	\$ 315.25	\$ 2,740.25
Attendance	8.8	\$	250.00	\$	2,187.50	\$ 284.38	\$ 2,471.88
Interrogatories							
Preparation	19.8	\$	250.00	\$	4,937.50	\$ 641.88	\$ 5,579.38
Responses	10.6	\$	250.00	\$	2,637.50	\$ 342.88	\$ 2,980.38
Issues Conference							
Preparation		\$	250.00	\$	- R.	\$ 24	\$ - b
Attendance		\$	250.00	\$	- 1-1	\$ 	\$
ADR - Settlement Conference							
Preparation		\$	250.00	\$		\$ 	\$
Attendance		\$	250.00	\$	- 42	\$ 	\$ 5
Proposal Preparation		\$	250.00	\$		\$ -	\$
Argument							
Preparation		\$	250.00	\$		\$ 9.0	\$ -,-
Oral Hearing					-		
Preparation	34.5	\$	250.00	\$	8,625.00	\$ 1,121.25	\$ 9,746.25
Attendance		\$	250.00	\$		\$ -11	\$
Other Conferences							
Preparation		\$	250.00	\$	1	\$ -	\$ 91
Attendance		\$	250.00	\$		\$ 	\$
Case Management		\$	170.00	\$	- 12	\$ 	\$
TOTAL SERVICE PROVIDER FEES				\$	20,812.50	\$ 2,705.63	\$ 23,518.13

Ontario Energy Board COST CLAIM FOR HEARINGS



Detail of Fees and Disbursements Being Claimed

ile # EB-	2013-0421	Process:	HONI Essex County SECTR Project

Party: Entegrus Powerlines Inc. (E3 Coi Service Provider Name: Michael J. Roger (Elenchus)

Stat	tement of Disbursements Being Claimed		
	Net Cost	HST	Total
Scanning/Photocopy			\$ 1791
Printing			\$ - 4
Courier			\$
Telephone/Fax		4	\$
Transcripts			\$
Travel: Air			\$
Travel: Car			\$ Н.
Travel: Rail			\$ -
Travel (Other):			\$ - 0.0-1
Parking	\$ 12.00		\$ 12.00
Taxi		<u></u>	\$ 2
Accommodation			\$ 7.
Meals			\$ 8
Other:			\$ 1-
Other:			\$
Other:			\$.7
TOTAL DISBURSEMENTS:	\$ 12.00	\$ -	\$ 12.00

Ontario Energy Board COST CLAIM FOR HEARINGS



Detail of Fees and Disbursements Being Claimed

File # EB-	2013-0421	Process: HONI Essex County SECTR Project
Party:	Entegrus Powerlines Inc. (E3 Coalition)	Service Provider Name: Andrew Frank (Elenchus)
	SERVICE PROVIDER TYPE (check of	Year Called to Completed Years Practising/Years of Relevant Experience
	Legal Counsel	7
	Articling Student/Paralegal Consultant Analyst	Hourly Rate: \$200
		attached HST Rate Charged (enter %): 13.0% provided within previous 24 months

St	atement o	f Fe	es Being	Cla	imed		
	Hours	Но	urly Rate		Subtotal	HST	Total
Pre-hearing Conference							
Preparation		\$	200.00	\$		\$ Α	\$ - 8
Attendance		\$	200.00	\$		\$ 	\$ 19
Technical Conference							
Preparation		\$	200.00	\$		\$ - 8	\$ 4-
Attendance		\$	200.00	\$	-	\$ 1-	\$ 14
Interrogatories		1 , "				1	
Preparation		\$	200.00	\$	+0.	\$ 2	\$ -
Responses		\$	200.00	\$	(-)	\$ 0.00	\$ 19
Issues Conference			- 1				
Preparation		\$	200.00	\$		\$ 1.5	\$
Attendance		\$	200.00	\$	4	\$ 	\$ 14
ADR - Settlement Conference							
Preparation		\$	200.00	\$	7.	\$ -	\$ -
Attendance		\$	200.00	\$	-	\$ -	\$ &
Proposal Preparation		\$	200.00	\$	1/21.5	\$ 	\$ 2.9
Argument							
Preparation		\$	200.00	\$		\$ 1-1	\$ 34.
Oral Hearing		F					
Preparation	18.8	\$	200.00	\$	3,750.00	\$ 487.50	\$ 4,237.50
Attendance		\$	200.00	\$	-	\$ 	\$
Other Conferences							
Preparation		\$	200.00	\$	-	\$ 	\$ -
Attendance		\$	200.00	\$		\$ 16.	\$
Case Management	ace to	\$	170.00	\$		\$ = >0	\$ •
TOTAL SERVICE PROVIDER FEES				\$	3,750.00	\$ 487.50	\$ 4,237.50

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



Date	Invoice #
30/11/2014	2014368

Invoice To

Entegrus

320 Queen Street, P.O. Box 70 Chatham, ON N7M 5K2

Attn: David Ferguson

P.O. No.	Terms
	Net 30

Project

SECTR

Date	Item	Description	Hours	Rate	Amount
18/11/2014	Analysis	Reviewing evidence filed in EB-2013-0421	2,75	250.00	687.50
19/11/2014	Analysis	Continue reviewing evidence	1	250,00	250.00
25/11/2014	Mecting	Review draft OEB letter and conference call to review draft OEB letter suggestions	1.75	250,00	437.50
26/11/2014	Analysis	Reviewing revised draft letter to OEB Subtotal	0.5	250.00	125.00 1,500.00
	Adjustment	as per agreement each utility will be billed 1/3		-1,000.00	-1,000.00
		HST on Sales	1	13.00%	65.00
			1		

Billing Inquiries Rachel Chua 416-348-9917 x30 rchua@elenchus.ca HST#861367431 \$65.00

\$500.00

Subtotal

Total \$565.00

OH - P

OH-P

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

Invoice

Date	Invoice #
28/02/2015	2015066

Invoice To

Entegrus 320 Queen Street, P.O. Box 70 Chatham, ON N7M 5K2 Attn: David Ferguson

P.O. No.	Terms
	Net 30

Project

SECTR

Date	Item	Description	Hours	Rate	Amount
04/02/2015	Meeting	conference call on PO# 3	1	250.00	250.00
05/02/2015	Draft IRs	Preparing summary of OPA/HONI proposal and draft interrogatories	4	250.00	1,000.00
06/02/2015	Draft IRs	Continue drafting IRs	0.5	250.00	125.00
12/02/2015	Draft IRs	Drafting IRs	2.75	250.00	687.50
17/02/2015	Meeting	Preparation and conference call to review draft IRs	1.75	250.00	437.50
19/02/2015	Draft IRs	Revise draft IRs incorporating comments provided in conference call	1.75	250.00	437.50
20/02/2015	Draft IRs	Reviewing and distributing revised IRs	0.25	250.00	62,50
22/02/2015	Draft IRs	Preparing draft IRs Subtotal	0.25	250.00	62.50 3,062.50
	Adjustment	As per agreement each utility will be billed 1/3	1 1	-2,041.66	-2,041.66
		HST on Sales		13.00%	132.71
			Subtot	al	\$1,020,84

	Subtotal	\$1,020.84
Make Cheque Payable to: Elenchus Research Associates Inc. Billing Inquiries: Rachel Chua	HST#861367431	\$132.71
416-348-9917 x30 rchua@elenchus.ca	Total	\$1,153.55



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



Invoice

Date	Invoice #	
31/03/2015	2015099	

Invoice To

Entegrus

320 Queen Street, P.O. Box 70 Chatham, ON N7M 5K2

Attn: David Ferguson

P.O. No.	Terms
	Net 30

Project

Date	Item	Description	Hours	Rate	Amount
09/03/2015	Draft IRs	Continue working on draft IRs related to capital contributions	1.25	250.00	312.50
10/03/2015	Meeting	Preparation, conference call and follow up to review of draft interrogatories	1.25	250.00	312.50
11/03/2015	Draft IRs	Revising draft interrogatories	0.5	250.00	125.00
15/03/2015	Draft IRs	Reviewing and commenting on Ian's draft IRs. Sending proposed IRs to clients.	2	250.00	500.00
17/03/2015	Analysis	Reviewing HONI responses to Board staff interrogatories	0.5	250.00	125.00
18/03/2015	Draft IRs	Finalizing IRs with Ian	0.5	250.00	125.00
23/03/2015	Analysis	Reviewing HONI argument in chief for Phase 1. Responding to Enwin's perspective on transformer replacement plans. Suggesting alternatives for dealing with customer impacts in response to HONI's argument in chief.	1	250.00	250.00
30/03/2015	Analysis	Reviewing final arguments from OEB staff and Comber. Reviewing IRs for phase 2 from LPMA Subtotal	0.5	250.00	1,875.00
	Adjustment	As per agreement each utility will be billed 1/3 HST on Sales		-1,250.00 13.00%	-1,250.00 81.25
	a .		Subtot	al	\$625.00
	Make Cheque Pa	yable to: Elenchus Research Associates Inc. Billing Inquiries: Rachel Chua	HST#8	61367431	\$81.25
		416-348-9917 x30 rchua@elenchus.ca	Total		\$706.25

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



Date	Invoice #
30/04/2015	2015137

Invoice To

IRR

TC-P

Entegrus 320 Queen Street, P.O. Box 70 Chatham, ON N7M 5K2 Attn: David Ferguson

P.O. No.	Terms
	Net 30

Total

\$1,059.38

Project SECTR Date Item Description Hours Rate Amount 02/04/2015 250.00 Analysis Reviewing intervenors interrogatories for phase 2 250.00 14/04/2015 250.00 Suggestions on how to respond to HONI's interrogatory 0.5 Interrogatories - Responses 125.00 Conference call on HONI request for information to 15/04/2015 0.75 187.50 Interrogatories - Responses 250.00 answer CME's interrogatory and reviewing lan's proposed response 24/04/2015 Interrogatories - Responses Starting to review Interrogatory response for phase 2 1.75 250.00 437.50 filed by HONI 25/04/2015 Interrogatories - Responses Continue reviewing HONI interrogatory responses 3.75 250.00 937.50 28/04/2015 Conference call on HONI interogatory responses 250.00 250.00 Meeting 250.00 500.00 29/04/2015 Analysis Review letter to OEB on filing evidence. Prepare draft 2 questions for technical conference Draft IRs Draft IRs for technical conference 0.5 250.00 125.00 30/04/2015 -1,875.00-1.875.00Adjustment HST on Sales 13.00% 121.88 Subtotal \$937.50 Make Cheque Payable to: Elenchus Research Associates Inc. HST#861367431 \$121.88 Billing Inquiries: Rachel Chua 416-348-9917 x30

rchua@elenchus.ca



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

Invoice To Entegrus 320 Queen Street, P.O. Box 70 Chatham, ON N7M 5K2 Attn: David Ferguson

Invoice

Date	Invoice #
31/05/2015	2015170

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P.O. No.	Terms
	Net 30

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	Date	Item	Description	Hours	Rate	Amount
1	06/05/2015	Draft IRs	Reviewing additional material filed by Hydro One and CME, drafting questions for technical conference/oral	1.75	250.00	437.50
	22/05/2015	Analysis	hearing Reviewing Procedural Order # 5	0.25	250.00	62.50
١	25/05/2015	Meeting	Conference call to discuss PO#5	0.75	250.00	187.50
١	26/05/2015	Meeting	Meeting of distributors and preparing meeting notes	3.25	250.00	812.50
	27/05/2015	Technical Conf Prepara	Reviewing comments on draft questions for technical conference	0.25	250.00	62.50
	29/05/2015	Technical Conf Prepara	Reviewing questions submitted for technical conference Subtotal	0.5	250.00	125.00 1,687.50
١		Adjustment	1/3 as per contract HST on Sales		-1,125.00 13.00%	-1,125.00 73.13
				Subtot	al	\$562,50
Make Cheque Payable to: Elenchus Research Associates Inc. Billing Inquiries: Rachel Chua	HST#8	61367431	\$73.13			
		416-348-9917 x30 rchua@elenchus.ca	Total		\$635.63	

You

Lelenchus

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

Invoice To

Entegrus

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0H-P

OH-P

320 Queen Street, P.O. Box 70 Chatham, ON N7M 5K2 Attn: David Ferguson



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Date	Invoice #
30/06/2015	2015221

RECEIVED But 1/200

P.O. No.	Terms
	Net 30

Project

Date	Item	Description	Hours	Rate	Amount
01/06/2015	Meeting	Meeting with Ian Mondrow to prepare for technical conference	2.25	250.00	562.50
05/06/2015	Technical Conf Attenda	Preparation and attending technical conference	8.75	250.00	2,187.50
08/06/2015	Analysis	Reviewing transcript of technical conference for questions for oral hearing	0.5	250.00	125.00
09/06/2015	Meeting	Conference call to plan evidence and drafting memo for data requirements to estimate bill impacts	2.5	250.00	625.00
11/06/2015	Analysis	Reviewing ELK data received	0.5	250.00	125.00
15/06/2015	Analysis	Reviewing E.L.K.'s data and planning with Andrew Frank work that needs to be done to determine bill impacts for Coalition evidence.	0.5	250.00	125.00
15/06/2015	Analysis	Cost Allocation update to determine rate impacts	3	200.00	600.00
16/06/2015	Analysis	Reviewing and summarizing impact data received	1.75	250.00	437.50
16/06/2015	Analysis	Cost Allocation runs and Bill impacts	7.5	200.00	1,500.00
17/06/2015	Analysis	Continue evaluating impact analysis for evidence	1.25	250.00	312.50
17/06/2015	Analysis	Bill Impacts	3.75	200.00	750.00
18/06/2015	Analysis	Continue analyzing bill impacts, reviewing responses to Transcript Undertakings from technical conference	2	250.00	500.00
19/06/2015	Analysis	Continue working on impact analysis of project	2	250.00	500.00
19/06/2015	Analysis		4.5	200.00	900.00
21/06/2015	Analysis	Estimating impact of capital contribution under Approach C	2.5	250,00	625.00
22/06/2015	Meeting	Conference call on evidence	1.25	250.00	312,50
23/06/2015	Analysis	Working on impact data and other data for evidence	0.75	250.00	187.50
	1		Subtota	al	

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



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

Invoice

Date	Invoice #
30/06/2015	2015221

Invoice To

Entegrus
320 Queen Street, P.O. Box 70
Chatham, ON N7M 5K2
Attn: David Ferguson

P.O. No.	Terms
	Net 30

Project

Date	Item	Description	Hours	Rate	Amount
24/06/2015	Analysis	Reviewing bill impact analysis and incorporating into draft evidence	3	250.00	750.00
25/06/2015	Evidence	Reviewing draft evidence	1.5	250.00	375.00
26/06/2015	Evidence	Working on data for evidence	5,5	250.00	1,375.00
27/06/2015	Evidence	Reviewing draft evidence	1.5	250.00	375.00
28/06/2015	Evidence	Revising evidence and supporting tables	0.25	250.00	62.50
29/06/2015	Evidence	Reviewing final draft evidence Subtotal	1.25	250.00	312.50 13,625.00
30/06/2015	-	Parking expense for Mike Roger to attend June 5, 2015 tech conference	Ī	12.00	12.00
	Adjustment	1/3 as per contract; subtract (\$9083.33)		-9,083.33	-9,083.33
	Adjustment	1/3 parking expense		-8.00	-8.00
		HST on Sales		13.00%	590.42
			Subtot	al	\$4,545.67
Make Cheque Payable to: Elenchus Research Associates Inc. Billing Inquiries: Rachel Chua 416-348-9917 x30 rchua@elenchus.ca		HST#8	61367431	\$590.42	
		Total		\$5,136.09	

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05/06/15 08:29:43

ACTUAL PAY TIME:

05/06/15 17:49:45

PARK-DUR.: HRS:MIN

0 09:20

ALLOWED EXIT TIME:

05/06/15 18:04:43

AMT PAID:

\$ 12.00

Tn:(625170)-Pn:(82

90)

HST INCLUDED HST R122981541 CREDIT CARD DETAIL

15/06/05-17:49:40 661037340013770240

MICHAEL J. ROGER



34 King Street East, Suite 600 | Toronto, ON M5C 2X8 | 905 731 9322 | mroger@elenchus.ca

ASSOCIATE, RATES AND REGULATION

Michael has over 35 years of experience in the electricity industry dealing in areas of finance, cost allocation, rate design and regulatory environment. Michael has been an expert witness at numerous Ontario Energy Board proceedings and has participated in task forces dealing with his areas of expertise. Michael is a leader and team player that gets things done and gets along well with colleagues.

PROFESSIONAL OVERVIEW

Elenchus Associate Consultant, Rates & Regulation

2010 - Present

- Provide guidance on the Regulatory environment in Ontario for distributors, with particular emphasis in electricity rates in Ontario and the regulatory review and approval process for cost allocation and rate design.
- Some of the clients that Michael provides advice include: Hydro Quebec Energy Marketing Inc., GTAA, Ontario Energy Board, City of Hamilton, Hydro One Transmission, Powerstream, Hydro Ottawa, Veridian, APPrO and Hydro 2000.

Hydro One Networks Inc. Manager, Pricing, Regulatory Affairs, Corporate and Regulatory Affairs

2002 - 2010

- In charge of Distribution and Transmission pricing for directly connected customers to Hydro One's Distribution system, embedded distributors and customers connected to Hydro One's Transmission system.
- Determine prices charged to customers that conform to guidelines and principles established by the Ontario Energy Board, (OEB).
- Provide expert testimony at OEB Hearings on behalf of Hydro One in the areas of Cost Allocation and Rate Design.
- Keep up to date on Cost Allocation and Rate Design issues in the industry.
- Ensure deliverables are of high quality, defensible and meet all deadlines.

 Keep staff focused and motivated and work as a team member of the Regulatory Affairs function. Provide support to other units as necessary.

Ontario Power Generation Inc.

1999 - 2002

Manager, Management Reporting and Decision Support, Corporate Finance

- In charge of producing weekly, monthly, quarterly and annual internal financial reporting products.
- Input to and coordination of senior management reporting and performance assessment activities.
- Expert line of business knowledge in support of financial and business planning processes.
- Coordination, execution of review, and assessment of business plans, business cases and proposals of an operational nature.
- Provide support to other units as necessary.
- Work as a team member of the Corporate Finance function.

Ontario Hydro

1998 - 1999

Acting Director, Financial Planning and Reporting, Corporate Finance

- In charge of the day to day operation of the division supporting the requirements of Ontario
 Hydro's Board of Directors, Chairman, President and CEO, and the Chief Financial Officer, to
 enable them to perform their due diligence role in running the company.
- Interact with business units to exchange financial information.

Financial Advisor, Financial Planning and Reporting, Corporate Finance

1997

- Responsible for co-ordinating Retail, Transmission, and Central Market Operation divisions' support of Corporate Finance function of Ontario Hydro to ensure financial information consistency between business units and Corporate Office, review business units compliance with corporate strategy.
- Provide advice to Chief Financial Officer and Vice President of Finance on business unit issues subject to review by Corporate Officers.
- · Participate or lead task team dealing with issues being evaluated in the company.
- Supervise professional staff supporting the function.
- Co-ordinate efforts with advisors for GENCO and Corporate Function divisions to ensure consistent treatment throughout the company.

Section Head, Pricing Implementation, Pricing

1986 - 1997

 In charge of pricing experiments, evaluation of marginal costs based prices, cost-of-service studies for municipal utilities, analysis and comparison of prices in the electric industry, rate structure reform evaluation, analysis of cost of servicing individual customers and support the cost allocation process used to determine prices to end users. Responsible for the derivation of wholesale prices charged to Municipal Electric Utilities and
retail prices for Direct Industrial customers, preparation of Board Memos presented to Ontario
Hydro's Board of Directors and support the department's involvement at the Ontario Energy
Board Hearings by providing expert witness testimony.

Section Head (acting), Power Costing, Financial Planning & Reporting, Corporate Finance

1994 - 1995

- Responsible for the allocation of Ontario Hydro's costs among its customer groups and ensure that costs are tracked properly and are used to bill customers.
- Maintain the computer models used for cost allocation and update the models to reflect the structural changes at Ontario Hydro.
- Participate at the Ontario Energy Board Hearings providing support and expert testimony on the proposed cost allocation and rates.
- Provide cost allocation expertise to other functions in the company.

Additional Duties 1991

- · Manager (acting) Rate Structures Department.
- Review of utilities' rates and finances for regulatory approval.
- Consultant: Sent by Ontario Hydro International to Estonia to provide consulting services on cost allocation and rate design issues to the country's electric company.

Analyst, Rates 1983 - 1986

- In charge of evaluating different marketing strategies to provide alternatives to customers for the efficient use of electricity.
- Co-ordinate and supervise efforts of a work group set up to develop a cost of service study methodology recommended for implementation by Municipal Electric Utilities and Ontario Hydro's Rural Retail System.
- Provide support data to Ontario Hydro's annual Rate Submission to the Ontario Energy Board.
- Participate in various studies analysing cost allocation areas and financial aspects of the company.

Forecast Analyst, Financial Forecasts

1980 - 1983

- Evaluating cost data related to electricity production by nuclear plants and preparing short term forecasts of costs used by the company. Maintain and improve computer models used to analyse the data.
- Review Ontario Hydro's forecast of customer revenues, report actual monthly, quarterly and yearly results and explain variances from budget.
- Support the development of new computerized models to assist in the short-term forecast of revenues.

In charge of developing computerized financial models used by forecasting analysts planning
 Ontario Hydro's short term revenue and cost forecasts and also in the preparation of Statement of Operations and Balance Sheet for the Corporation.

Assistant Engineer - Reliability Statics, Hydroelectric Generations Services

1978 - 1979

 In charge of analysing statistical data related to hydroelectric generating stations and producing periodic report on plants' performance.

ACADEMIC ACHIEVEMENTS

1977	Master of Business Administration, University of Toronto. Specialized in Management Science, Data Processing and Finance. Teaching Assistant in
	Statistics.
1975	Bachelor of Science in Industrial and Management Engineering, Technician, Israel Institute of Technology, Haifa, Israel.

OTHER

Fluent in English, Spanish, and Hebrew; Understands German and French.

ANDREW FRANK



34 King Street East, Suite 600 | Toronto, ON M5C 2X8 | 416 348 9917 ext. 21 | afrank@elenchus.ca

CONSULTANT

Andrew Frank has over 10 years of experience across the energy, financial services, and high tech industries. Andrew is focused on Cost Allocation, Rate Design and modeling, and has been engaged for Economic Evaluation of new energy and infrastructure projects. He performed the model updates required for the OEB's Cost Allocation model version 2.0, released August 2011, and has contributed to the OEB's rate design project, performing analysis on the impact of various proposed rate structures. In addition to his consulting responsibilities, Andrew is responsible for the continued development and ongoing support of new and existing Elenchus applications, including RateMaker and other economic models.

He is experienced in software development, data warehousing / data mining, and decision analysis. Andrew has considerable experience in organizational change and managing stakeholder issues. Andrew holds a LL.M. in Energy and Infrastructure Law (Osgoode Hall), an MBA with a concentration in accounting (Wilfrid Laurier University), and a Bachelor of Mathematics in Computer Science (University of Waterloo).

PROFESSIONAL OVERVIEW

Elenchus Consultant

October 2008 - Present

- Consulting in the areas of cost allocation, rate design, load forecasting, cost of service modeling
- Updated the OEB's Cost Allocation Model to version 2.0.
- Contributed to the OEB's rate design project by analyzing impacts of various proposed rate structures
- Acted as advisor to board staff in OEB consultations around Cost Allocation and Rate Design.
- Perform Economic Evaluations for energy and infrastructure projects
 - Develop new Elenchus applications, and support existing applications including RateMaker

· Perform internally focused software development

Manulife Financial Systems Designer

February 2003 - October 2008

- Supported Flexible Benefits Online Enrollment
 - Performed customizations of the re-enrollment site to satisfy customer's requirements
 - Coordinated the build and deployment to production environment with vendor
- Supported growth of a world class financial services leader in the Group Benefits area
- Enhanced Clients II, an Z/OS mainframe claims processing application
 - Updates to satisfy needs of corporate clients, new legislation requirements, and new treatments
 - Reduced costs by decreasing the frequency of on-call incidents and improving code efficiency
- Created a C# ASP.NET interface between a DB2 / Z/OS data warehouse, and a fraud detection and pricing tool which uses SQL Server
- Added support for new 7-digit contracts to SQL server stored procedures and a Delphi Application

IBM Canada Ltd. DB2 UDB Optimizer Performance Tester

May - Aug 2001, Sept - Dec 2000

- Maintained and extended SQLVALID, a performance measurement tool.
 - Introduced centralized database logging of results utilizing the DB2 Call Level
 Interface (CLI)
- Maintained and extended a Perl database generation tool
- Used SQLVALID to perform tests on AIX and NT Server

Portfolio Analytics, Toronto (now Morningstar Canada)

May – Aug 1999, Jan – April 1998, Summer 1997

Programmer/ Analyst

- Redesigned and wrote the client management system with a team of three software developers
 - Designed a new relational table structure for more flexible and efficient reporting.
 - Administered the SQL Server, selecting appropriate indexes, writing and scheduling maintenance scripts, and implementing appropriate security rules
 - Minimized network traffic and CPU usage and increased flexibility using stored procedures

Interfaced with users from every department covering all aspects of the business to assess their needs, and train users on the system

ACADEMIC ACHIEVEMENTS

June 2014	Master of Laws, Energy and Infrastructure Law, Osgoode Hall Law School, York University
	 Emphasis on Energy Regulation
June 2007	Master of Business Administration, Wilfrid Laurier University
	 Concentration in Accounting – Qualify for advanced standing in the CMA Program Part-Time program
2002	Bachelor of Mathematics in Honours Computer Science / Information Systems – Co-operative Program, University of Waterloo
	 Information Systems option earned including 9 Economics courses

Received outstanding evaluations from every employer