

## THE BOARD OF DIRECTORS

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Resident Expert, PSI Initiative, University of Toronto  
MARGARET WENTE  
Columnist, Globe and Mail

August 31, 2017  
Kirsten Walli  
Board Secretary  
Ontario Energy Board  
P.O. Box 2319  
2300 Yonge Street, 27th Floor  
Toronto ON M4P 1E4

Dear Ms. Walli:

### **Re: Ontario Power Generation Inc. 2017-2021 Payment Amounts, EB-2016-0152**

Energy Probe Research Foundation is re-filing its cost claim in the procedure noted above. We erroneously filed the wrong version of our cost claim. We sincerely apologize for the inconvenience. We have also included the original letter filed with our cost claim.

Yours truly,

Brady Yauch,  
Consultant for Energy Probe

**Energy Probe Research Foundation** 225 BRUNSWICK AVE., TORONTO, ONTARIO M5S 2M6

Phone: (416) 964-9223 Fax: (416) 964-8239 E-mail: [EnergyProbe@nextcity.com](mailto:EnergyProbe@nextcity.com) Internet: [ep.probeinternational.org](http://ep.probeinternational.org)



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MARGARET WENTE  
Columnist, Globe and Mail

August 12, 2017

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

**EB-2016-0152 Ontario Power Generation  
Application for Payment Amounts Approval  
Energy Probe – Costs Submission**

Dear Ms. Walli,

Pursuant to Procedural Order Number 9, issued July 11, 2017, attached please find the Costs Submission of Energy Probe Research Foundation (Energy Probe) for consideration of the Ontario Energy Board.

Energy Probe relied on two consultants throughout this proceeding. To the greatest extent possible, we ensured that there was little to no overlap in duties.

While there were days through the oral hearing where both consultants may have been present, only one consultant was allowed to bill hours for that time. On days during the oral hearing that concerned areas of the application where Energy Probe had no interest, we avoided, to the greatest extent possible, either attending the hearing or reviewing transcripts. Other than a few select issues, Energy Probe ensured that both consultants appeared or reviewed transcripts and evidence related only to portions of the application that they were assigned.

Energy Probe fully recognizes the magnitude of regulatory costs associated with this application and that these costs are eventually borne by ratepayers. With that in mind, we did everything possible to limit the number of billable hours. We also worked extensively with other parties to avoid duplication and reduce hours spent on reviewing evidence, cross examining and drafting our final argument.

To better assist the Board in reviewing Energy Probe's billable hours, we have broken them down – as much as possible – in the following categories:

1. Time spent at the application presentation on September 1<sup>st</sup> and meeting afterwards with other consultant to discuss application is included as "Pre-Hearing Conference."

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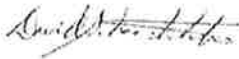
**Energy Probe Research Foundation 225 BRUNSWICK AVE., TORONTO, ONTARIO M5S 2M6**

Phone: (416) 964-9223 Fax: (416) 964-8239 E-mail: [EnergyProbe@nextcity.com](mailto:EnergyProbe@nextcity.com) Internet: [www.EnergyProbe.org](http://www.EnergyProbe.org)

2. Time spent reviewing evidence, drafting IRs and conferring with other consultants on IRs is included as "Interrogatories."
3. Time spent meeting with the Oxford specialists about potential evidence, drafting comments on the issues list, reviewing IR responses, drafting questions for cross examination, and preparing compendiums and notes is included as "Oral Hearing, Preparation." Actual attendance at the Oral Hearing is included as "Oral Hearing, Attendance."
4. Time spent at the Technical Hearings is included under the "Technical Conference, Attendance" section, while preparation of notes, reviewing evidence related to the technical conference and drafting of questions is included as "Technical Conference, Preparation"
5. Time spent at the Settlement Conference is included as "Settlement Conference."
6. Time spent reviewing transcripts from the oral hearing, taking notes and the writing and editing the final argument is included as "Argument."

Should you require additional information, please do not hesitate to contact me.

Yours truly,



David S. MacIntosh  
Case Manager

C.C. **Barbara Reuber, OPG, Regulatory Affairs (By email):**  
Carlton D. Mathias, OPG (By email)  
Charles Kelzer, Torys (By email)  
Larry Schwartz, Economic Consultant to Energy Probe (By email)  
Brady Yauch, Consultant to Energy Probe (By email)  
Violet Blinette, Ontario Energy Board (By email)  
Michael Millar, Ontario Energy Board (By email)

**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: \_\_\_\_\_

Country: \_\_\_\_\_

- 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- **2016-0152**

Process: **Ontario Power Generation 2017-2021 Rates**

Party: **Energy Probe Research Foundation**

Affiant's Name: **Patricia Adams**

HST Number: **10730 5146 RT0001**

HST Rate Ontario: **0.00%**

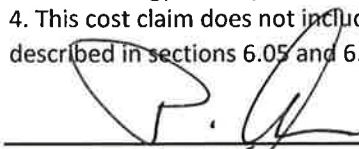
Full Registrant ☐  
Unregistered ☐  
Other ☐

Qualifying Non-Profit ☐  
Tax Exempt ☐

**Affidavit**

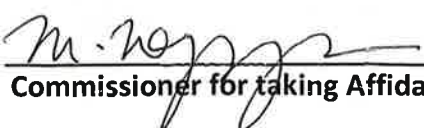
I, **Patricia Adams**, of the City/Town of **Toronto**  
in the Province/State of **Ontario**, swear or affirm that:

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.

  
Signature of Affiant

Sworn or affirmed before me at the City/Town of **TORONTO, ONTARIO, CANADA**  
in the Province/State of \_\_\_\_\_, on

**SEP 01 2017**  
(date)

  
Commissioner for taking Affidavits

**THUY UYEN MI NGUYEN**  
TORONTO NOTARY PUBLIC  
800 BATHURST ST. SUITE 402  
TORONTO, ONTARIO, M5R 3M6  
TEL: (416) 939-4158

**Ontario Energy Board**  
**COST CLAIM FOR HEARINGS**



**Affidavit and Summary of Fees and Disbursements**

File # EB- 2016-0152

Process: Ontario Power Generation 2017-2021 Rates

Party: Energy Probe Research Foundation

**Summary of Fees and Disbursements Being Claimed**

Legal/consultant/other fees	\$	123,027.50
Disbursements	\$	-
HST	\$	7,996.79
<b>Total Cost Claim</b>	<b>\$</b>	<b>131,024.29</b>

**Payment Information**

Make cheque payable to: Energy Probe Research Foundation

Send payment to this address: 225 Brunswick Avenue  
Toronto, Ontario  
M5S 2M6  
Attention: Brady Yauch

# Ontario Energy Board

## COST CLAIM FOR HEARINGS



### Detail of Fees and Disbursements Being Claimed

File # EB- <u>2016-0152</u>	Process: <u>Ontario Power Generation 2017-2021 Rates</u>
Party: <u>Energy Probe Research Foundation</u>	Service Provider Name: <u>Brady Yauch</u>
<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p><b>SERVICE PROVIDER TYPE</b> (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> </div> <div style="width: 20%;"> <p>Year Called to Bar</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> </div> <div style="width: 40%;"> <p>Completed Years Practising/Years of Relevant Experience</p> <div style="border: 1px solid black; text-align: center; padding: 2px;">6</div> </div> </div>	
<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p>For Consultant/Analyst: <input type="checkbox"/> CV attached</p> <p><input checked="" type="checkbox"/> CV provided within previous 24 months</p> </div> <div style="width: 60%;"> <p>Hourly Rate: <div style="border: 1px solid black; text-align: center; padding: 2px;">\$230</div></p> <p>HST Rate Charged (enter %): <div style="border: 1px solid black; text-align: center; padding: 2px;">6.5%</div></p> </div> </div>	

Statement of Fees Being Claimed					
	Hours	Hourly Rate	Subtotal	HST	Total
<b>Pre-hearing Conference</b>					
Preparation		\$ 230.00	\$ -	\$ -	\$ -
Attendance	2.50	\$ 230.00	\$ 575.00	\$ 37.38	\$ 612.38
<b>Technical Conference</b>					
Preparation	16.00	\$ 230.00	\$ 3,680.00	\$ 239.20	\$ 3,919.20
Attendance	19.00	\$ 230.00	\$ 4,370.00	\$ 284.05	\$ 4,654.05
<b>Interrogatories</b>					
Preparation	39.75	\$ 230.00	\$ 9,142.50	\$ 594.26	\$ 9,736.76
Responses		\$ 230.00	\$ -	\$ -	\$ -
<b>Issues Conference</b>					
Preparation		\$ 230.00	\$ -	\$ -	\$ -
Attendance		\$ 230.00	\$ -	\$ -	\$ -
<b>ADR - Settlement Conference</b>					
Preparation		\$ 230.00	\$ -	\$ -	\$ -
Attendance	16.50	\$ 230.00	\$ 3,795.00	\$ 246.68	\$ 4,041.68
Proposal Preparation		\$ 230.00	\$ -	\$ -	\$ -
<b>Argument</b>					
Preparation	130.00	\$ 230.00	\$ 29,900.00	\$ 1,943.50	\$ 31,843.50
<b>Oral Hearing</b>					
Preparation	65.50	\$ 230.00	\$ 15,065.00	\$ 979.23	\$ 16,044.23
Attendance	78.75	\$ 230.00	\$ 18,112.50	\$ 1,177.31	\$ 19,289.81
<b>Other Conferences</b>					
Preparation		\$ 230.00	\$ -	\$ -	\$ -
Attendance		\$ 230.00	\$ -	\$ -	\$ -
<b>Case Management</b>	3.50	\$ 170.00	\$ 595.00	\$ 38.68	\$ 633.68
<b>TOTAL SERVICE PROVIDER FEES</b>			\$ 85,235.00	\$ 5,540.28	\$ 90,775.28

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



File # EB- 2016-0152

Process: Ontario Power Generation 2017-2021 Rates

Party: Energy Probe Research Foundation

Service Provider Name: Brady Yauch

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

# Brady Yauch EB-2016-0152 Ontario Power Generation 2017-2021 Payment Amounts

DATE: 8/30/17

67A Auburn Avenue  
Toronto ON M6H 2L8  
GST/HST 802822023 RT0001

**Bill To:**

Mr. David MacIntosh  
Energy Probe Research Foundation  
225 Brunswick Avenue  
Toronto, Ontario, M5S 2M6

**For:**

Intervenor services OPG Rates 2017-2021, EB-2016-0152

**Years Experience:** 6

**Rate:** \$230

Date	Description of Activity (case management)	Number of hours
12-Jul-16	Prepared notice of intervention	0.5
03-Oct-16	Wrote and edited letter on Witness evidence	2
29-May-17	Final edit and submission of final argument	1
<b>Total Case management</b>		<b>3.5</b>

Date	Description of activity	Number of hours
08-Jul-16	Met with Energy Probe consultants to oversee application and duties	1.5
10-Aug-16	Began reviewing evidence and taking notes	5.5
11-Aug-16	Began reviewing evidence and taking notes	4.5
26-Aug-16	Reviewed witness evidence application	2
30-Aug-16	Wrote and edited issues submissions	3
31-Aug-16	Submitted issues comments	0.5
01-Sep-16	Attended application presentation by OPG	2
01-Sep-16	Met with other intervenors to discuss submitting evidence	0.5
08-Sep-16	Talked with Oxford Group on application	1
12-Sep-16	Wrote and edited letter to the Board concerning evidence	2
23-Sep-16	Attended rate smoothing technical conference	5
26-Sep-16	Reviewed evidence and compiled IRs	5.5
27-Sep-16	Reviewed evidence and compiled IRs	6.25
28-Sep-16	Reviewed evidence and compiled IRs	4
29-Sep-16	Reviewed evidence and compiled IRs	4.75
03-Oct-16	Submitted IRS and letter on evidence	0.5
08-Nov-16	Reviewed IR responses and prepared for Technical conference	7.75
09-Nov-16	Reviewed IR responses and prepared for Technical conference	7.75
10-Nov-16	Wrote, edited and filed letter on issues list	2
14-Nov-16	Attended technical conference	7

15-Nov-16	Attended technical conference	7
16-Nov-16	Conferred with consultant on issues to discuss in the technical conference	0.5
01-Dec-16	Read OEB staff evidence and took notes for IRS	6.25
02-Dec-16	Submitted IRs and emailed with consultants on IRs	1
09-Jan-17	Attended settlement conference.	7
10-Jan-17	Attended settlement conference.	6
11-Jan-17	Attended settlement conference.	3.5
13-Feb-17	Reviewed evidence, IRs and undertakings and prepared for oral hearing cross examination	7.25
14-Feb-17	Reviewed evidence, IRs and undertakings and prepared for oral hearing cross examination	7.25
15-Feb-17	Reviewed evidence, IRs and undertakings and prepared for oral hearing cross examination	5.5
16-Feb-17	Reviewed evidence, IRs and undertakings and prepared for oral hearing cross examination	6.75
17-Feb-17	Reviewed evidence, IRs and undertakings and prepared for oral hearing cross examination	6.5
27-Feb-17	Attended oral hearing and cross examined Panel 1A	7
28-Feb-17	Listened to oral hearing and took notes for cross examination	6
02-Mar-17	Attended oral hearing and cross examined Panel 1B	7
06-Mar-17	Attended oral hearing for Panel 1C and took notes in preparation of cross examination.	6.5
07-Mar-17	Attended oral hearing and cross examined Panel 1C	7
08-Mar-17	Took notes and prepared compendium for Panel 1D	3.5
09-Mar-17	Attended oral hearing and cross examined Panel 1D	5
24-Mar-17	Attended oral hearing for Panel 3A and took notes for final argument	3
27-Mar-17	Attended oral hearing for Panel 3B and took notes for cross examination	7
28-Mar-17	Attended oral hearing for Panel 3B and took notes for cross examination	6
29-Mar-17	Prepared for cross examination and compendium for Panel 3B	3.5
30-Mar-17	Attended oral hearing and cross examination of Panel 3B	5
01-Apr-17	Prepared for cross examination for Panel 5Ai	3.5
03-Apr-17	Attended oral hearing for Panel 5Ai	3
04-Apr-17	Attended oral hearing for Panel 5Ai and took notes for cross examination	5
05-Apr-17	Attended oral hearing and cross examined Panel 5Ai	2
06-Apr-17	Attended oral hearing and took notes for Panel 5B	5.5
07-Apr-17	Attended oral hearing and cross examined Panel 5B	6
10-Apr-17	Prepared for cross examination of Panel 6. Read and took notes on updated evidence and undertakings. Also, reviewed transcripts.	5.25
12-Apr-17	Attended oral hearing and cross examined Panel 5B	3
13-Apr-17	Attended oral hearing for Panel 5B	0.75

24-Apr-17	Reviewed transcripts, undertakings and updated evidence. Took notes for final argument submission	5.25
25-Apr-17	Reviewed transcripts, undertakings and updated evidence. Took notes for final argument submission	5.5
26-Apr-17	Reviewed transcripts, undertakings and updated evidence. Took notes for final argument submission	5.75
27-Apr-17	Reviewed transcripts, undertakings and updated evidence. Took notes for final argument submission	5.5
28-Apr-17	Reviewed transcripts, undertakings and updated evidence. Took notes for final argument submission	5.5
29-Apr-17	Reviewed transcripts, undertakings and updated evidence. Took notes for final argument submission	5.5
01-May-17	Reviewed transcripts, undertakings and updated evidence. Wrote and edited final argument submission	6.25
02-May-17	Reviewed transcripts, undertakings and updated evidence. Took notes for final argument submission	5.5
03-May-17	Reviewed transcripts, undertakings and updated evidence. Took notes for final argument submission	6.75
04-May-17	Reviewed transcripts, undertakings and updated evidence. Took notes for final argument submission	5.25
05-May-17	Reviewed transcripts, undertakings and updated evidence. Took notes for final argument submission	5.75
08-May-17	Wrote and edited final argument	5.5
09-May-17	Wrote and edited final argument	4.75
10-May-17	Wrote and edited final argument	6.5
11-May-17	Wrote and edited final argument	6.75
12-May-17	Wrote and edited final argument	6
05-May-17	Wrote and edited final argument	6.25
23-May-17	Wrote and edited final argument	6.25
24-May-17	Met with consultants to oversee final argument and review submission	6.5
25-May-17	Wrote and edited final argument	6.25
26-May-17	Wrote and edited final argument	6.5
27-May-17	Wrote and edited final argument	6.25
<b>Total</b>		<b>368</b>

		Hours
Pre-hearing Conference	preparation	2.5
Interrogatories	preparation	39.75
Oral Hearing	preparation	65.5
	attendance	78.75
Technical Conference	preparation	16
	attendance	19
Settlement Conference	attendance	16.5
Argument	preparation	130
<b>Total</b>		<b>368</b>

# Ontario Energy Board COST CLAIM FOR HEARINGS



## Detail of Fees and Disbursements Being Claimed

File # EB- <u>2016-0152</u>	Process: <u>Ontario Power Generation 2017-2021 Rates</u>
Party: <u>Energy Probe Research Foundation</u>	Service Provider Name: <u>Larry Schwartz</u>

<b>SERVICE PROVIDER TYPE</b> (check one) Legal Counsel <input type="checkbox"/> Articling Student/Paralegal <input type="checkbox"/> Consultant <input checked="" type="checkbox"/> Analyst <input type="checkbox"/> For Consultant/Analyst: <input type="checkbox"/> CV attached <input checked="" type="checkbox"/> CV provided within previous 24 months	Year Called to Bar <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	Completed Years Practising/Years of Relevant Experience <div style="border: 1px solid black; width: 150px; height: 20px; margin: 0 auto; text-align: center;">30</div>  Hourly Rate: <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto; text-align: center;">\$330</div>  HST Rate Charged (enter %): <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto; text-align: center;">6.5%</div>
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Statement of Fees Being Claimed					
	Hours	Hourly Rate	Subtotal	HST	Total
<b>Pre-hearing Conference</b>					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
<b>Technical Conference</b>					
Preparation	2.00	\$ 330.00	\$ 660.00	\$ 42.90	\$ 702.90
Attendance	5.50	\$ 330.00	\$ 1,815.00	\$ 117.98	\$ 1,932.98
<b>Interrogatories</b>					
Preparation	9.25	\$ 330.00	\$ 3,052.50	\$ 198.41	\$ 3,250.91
Responses	2.25	\$ 330.00	\$ 742.50	\$ 48.26	\$ 790.76
<b>Issues Conference</b>					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
<b>ADR - Settlement Conference</b>					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
Proposal Preparation		\$ 330.00	\$ -	\$ -	\$ -
<b>Argument</b>					
Preparation	35.00	\$ 330.00	\$ 11,550.00	\$ 750.75	\$ 12,300.75
<b>Oral Hearing</b>					
Preparation	43.00	\$ 330.00	\$ 14,190.00	\$ 922.35	\$ 15,112.35
Attendance	12.25	\$ 330.00	\$ 4,042.50	\$ 262.76	\$ 4,305.26
<b>Other Conferences</b>					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
<b>Case Management</b>		\$ 170.00	\$ -	\$ -	\$ -
<b>TOTAL SERVICE PROVIDER FEES</b>			\$ 36,052.50	\$ 2,343.41	\$ 38,395.91

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



File # EB- 2016-0152

Process: Ontario Power Generation 2017-2021 Rates

Party: Energy Probe Research Foundation

Service Provider Name: Larry Schwartz

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

# Larry Schwartz EB-2016-0152 Ontario Power Generation 2017-2021 Payment Amounts

DATE: 8/30/17

## Bill To:

Mr. David MacIntosh  
Energy Probe Research Foundation  
225 Brunswick Avenue  
Toronto, Ontario, M5S 2M6

## For:

Intervenor services OPG Rates 2017-2021, EB-2016-0152

**Years Experience:** 30

**Rate:** \$330

Date	Hours	Description
15-Nov-16	2.00	review materials; prepare questions for Technical Conference
16-Nov-16	0.50	attendance (excl 1 hr lunch)
22-Nov-16	5.5	search literature for studies linking productivity and cyclical factors
23-Nov-16	0.50	search literature for studies linking productivity and cyclical factors
24-Nov-16	0.25	review OPG responses to undertakings at Technical Conference
24-Nov-16	1.00	review spreadsheet analysis of new productivity growth rate data provided by LEI
28-Nov-16	0.50	review PEG expert evidence
30-Nov-16	4.00	review PEG expert evidence and draft interrogatories
01-Dec-16	2.00	draft Energy Probe interrogatories on Board Staff evidence
03-Dec-16	0.50	review hydro-related interrogatories of other intervenors
15-Dec-16	2.00	review responses to interrogatories on Board Staff evidence
03-Jan-17	3.00	analysis of PEG spreadsheet data
04-Jan-17	4.00	analysis of PEG spreadsheet data
05-Jan-17	4.00	analysis of PEG spreadsheet data
09-Jan-17	4.00	drafting critical note on PEG's analysis
10-Jan-17	4.00	drafting critical note on PEG's analysis
11-Jan-17	1.00	revise critical draft on PEG's analysis
18-Jan-17	0.50	meeting with case manager to discuss note on PEG
01-Feb-17	0.50	draft e-mail to OEB, Manager Applications re: questions for PEG
08-Feb-17	1.00	review LEI memo on PEG Report, Dec 22/16
13-Feb-17	0.25	review PEG's revised response to EP Interrogatory #2
14-Feb-17	2.00	revise, expand and redraft critical note on PEG's analysis
15-Feb-17	2.00	revise, expand and redraft critical note on PEG's analysis
16-Feb-17	3.00	revise, expand and redraft critical note on PEG's analysis
17-Feb-17	3.00	revise, expand and redraft critical note on PEG's analysis
22-Feb-17	1.00	revise, expand and redraft critical note on PEG's analysis
23-Feb-17	2.00	revise, expand and redraft critical note on PEG's analysis
24-Feb-17	1.00	revise, expand and redraft critical note on PEG's analysis
25-Feb-17	1.00	revise, expand and redraft critical note on PEG's analysis
06-Mar-17	1.00	revise, expand and redraft critical note on PEG's analysis
07-Mar-17	1.00	drafting questions for hearing
08-Mar-17	2.00	drafting questions for hearing
20-Mar-17	2.00	drafting questions for hearing
21-Mar-17	4.00	Attendance at hearing
22-Mar-17	3.00	Attendance at hearing
23-Mar-17	5.25	Attendance at hearing excl. 1 hour lunch
01-May-17	2.00	research & drafting final argument

02-May-17	2.00	research & drafting final argument
03-May-17	4.00	research & drafting final argument
04-May-17	5.00	research & drafting final argument
05-May-17	2.00	research & drafting final argument
07-May-17	4.00	research & drafting final argument
08-May-17	3.00	research & drafting final argument
10-May-17	3.00	research & drafting final argument
11-May-17	3.00	research & drafting final argument
19-May-17	1.00	meeting with case manager
21-May-17	3.00	review and re-drafting
22-May-17	3.00	review and re-drafting
<b>Total</b>	<b>109.25</b>	

<b>Summary</b>	<b>Hours</b>
Preparation	<b>56.50</b>
Attend. Tech.	<b>5.50</b>
Attend. ADR	<b>0.00</b>
Attend. Hearing	<b>12.25</b>
Argument Prep.	<b>35.00</b>
Case Mngt. (GM)	<b>0.00</b>
<b>Total</b>	<b>109.25</b>

# Ontario Energy Board

## COST CLAIM FOR HEARINGS



### Detail of Fees and Disbursements Being Claimed

<b>File # EB-</b> <u>2016-0152</u>	<b>Process:</b> <u>Ontario Power Generation 2017-2021 Rates</u>
<b>Party:</b> <u>Energy Probe Research Foundation</u>	<b>Service Provider Name:</b> <u>Norm Rubin</u>

<b>SERVICE PROVIDER TYPE</b> (check one)	<b>Year Called to Bar</b>	<b>Completed Years Practising/Years of Relevant Experience</b>
Legal Counsel <input type="checkbox"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/> 30
Articling Student/Paralegal <input type="checkbox"/>		
Consultant <input checked="" type="checkbox"/>		
Analyst <input type="checkbox"/>		
For Consultant/Analyst: <input type="checkbox"/> CV attached		<b>Hourly Rate:</b> <input style="width: 100px;" type="text"/> \$330
<input checked="" type="checkbox"/> CV provided within previous 24 months		<b>HST Rate Charged (enter %):</b> <input style="width: 100px;" type="text"/> 6.5%

Statement of Fees Being Claimed					
	Hours	Hourly Rate	Subtotal	HST	Total
<b>Pre-hearing Conference</b>					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
<b>Technical Conference</b>					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
<b>Interrogatories</b>					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Responses		\$ 330.00	\$ -	\$ -	\$ -
<b>Issues Conference</b>					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
<b>ADR - Settlement Conference</b>					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
Proposal Preparation		\$ 330.00	\$ -	\$ -	\$ -
<b>Argument</b>					
Preparation	3.00	\$ 330.00	\$ 990.00	\$ 64.35	\$ 1,054.35
<b>Oral Hearing</b>					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
<b>Other Conferences</b>					
Preparation		\$ 330.00	\$ -	\$ -	\$ -
Attendance		\$ 330.00	\$ -	\$ -	\$ -
<b>Case Management</b>		\$ 170.00	\$ -	\$ -	\$ -
<b>TOTAL SERVICE PROVIDER FEES</b>			\$ 990.00	\$ 64.35	\$ 1,054.35

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



File # EB- 2016-0152

Process: Ontario Power Generation 2017-2021 Rates

Party: Energy Probe Research Foundation

Service Provider Name: Norm Rubin

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

# Norman Rubin EB-2016-0152 Ontario Power Generation 2017-2021 Payment Amounts

DATE: 8/13/17

**Bill To:**

Mr. David MacIntosh  
Energy Probe Research Foundation  
225 Brunswick Avenue  
Toronto, Ontario, M5S 2M6

**For:**

Intervenor services OPG Rates 2017-2021, EB-2016-0152

**Years Experience:** 30

**Rate:** \$330

Date	Description of Activity	Number of hours
09-May-17	Argument Review	3
<b>Total (hours)</b>		<b>3</b>

# Ontario Energy Board

## COST CLAIM FOR HEARINGS



### Detail of Fees and Disbursements Being Claimed

<b>File # EB-</b> <u>2016-0152</u>	<b>Process:</b> <u>Ontario Power Generation 2017-2021 Rates</u>
<b>Party:</b> <u>Energy Probe Research Foundation</u>	<b>Service Provider Name:</b> <u>David MacIntosh</u>

<b>SERVICE PROVIDER TYPE</b> (check one)	<b>Year Called to Bar</b>	<b>Completed Years Practising/Years of Relevant Experience</b>
Legal Counsel <input type="checkbox"/>	<div style="border: 1px solid black; width: 100px; height: 30px; background-color: yellow;"></div>	<div style="border: 1px solid black; width: 150px; height: 30px; background-color: yellow; display: flex; align-items: center; justify-content: center;">17</div>
Articling Student/Paralegal <input type="checkbox"/>		
Consultant <input checked="" type="checkbox"/>		
Analyst <input type="checkbox"/>		
For Consultant/Analyst: <input type="checkbox"/> CV attached		<b>Hourly Rate:</b> <div style="border: 1px solid black; width: 100px; height: 30px; background-color: yellow; display: flex; align-items: center; justify-content: center;">\$290</div>
<input checked="" type="checkbox"/> CV provided within previous 24 months		<b>HST Rate Charged (enter %):</b> <div style="border: 1px solid black; width: 100px; height: 30px; background-color: yellow; display: flex; align-items: center; justify-content: center;">6.5%</div>

Statement of Fees Being Claimed					
	Hours	Hourly Rate	Subtotal	HST	Total
<b>Pre-hearing Conference</b>					
Preparation		\$ 290.00	\$ -	\$ -	\$ -
Attendance		\$ 290.00	\$ -	\$ -	\$ -
<b>Technical Conference</b>					
Preparation		\$ 290.00	\$ -	\$ -	\$ -
Attendance		\$ 290.00	\$ -	\$ -	\$ -
<b>Interrogatories</b>					
Preparation		\$ 290.00	\$ -	\$ -	\$ -
Responses		\$ 290.00	\$ -	\$ -	\$ -
<b>Issues Conference</b>					
Preparation		\$ 290.00	\$ -	\$ -	\$ -
Attendance		\$ 290.00	\$ -	\$ -	\$ -
<b>ADR - Settlement Conference</b>					
Preparation		\$ 290.00	\$ -	\$ -	\$ -
Attendance		\$ 290.00	\$ -	\$ -	\$ -
Proposal Preparation		\$ 290.00	\$ -	\$ -	\$ -
<b>Argument</b>					
Preparation	2.00	\$ 290.00	\$ 580.00	\$ 37.70	\$ 617.70
<b>Oral Hearing</b>					
Preparation		\$ 290.00	\$ -	\$ -	\$ -
Attendance		\$ 290.00	\$ -	\$ -	\$ -
<b>Other Conferences</b>					
Preparation		\$ 290.00	\$ -	\$ -	\$ -
Attendance		\$ 290.00	\$ -	\$ -	\$ -
<b>Case Management</b>	1.00	\$ 170.00	\$ 170.00	\$ 11.05	\$ 181.05
<b>TOTAL SERVICE PROVIDER FEES</b>			\$ 750.00	\$ 48.75	\$ 798.75

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



File # EB- 2016-0152

Process: Ontario Power Generation 2017-2021 Rates

Party: Energy Probe Research Foundation

Service Provider Name: David MacIntosh

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

**Time Sheet for D. MacIntosh****Board File: EB-2016-0152 OPG Rates - Time Sheet D. MacIntosh****Summary: Hours**

Preparation	0.00
Attend. Tech.	0.00
Attend. ADR	0.00
Attend. Hearing	0.00
Argument Prep.	2.00
Case Mngt. (CM)	1.00
<b>Total</b>	<b>3.00</b>

**Date Hours Note**

26-May-17	2.00	Reviewed and Formatted Final Argument
<b>Total</b>	<b>2.00</b>	<b>Argument</b>

**Date Hours Note**

27-May-17	1.00	CM - Prepare Costs Submission
<b>Total</b>	<b>1.00</b>	<b>Case Management</b>