



BY EMAIL and RESS

Jay Shepherd
jay@shepherdrubenstein.com
Direct: 416-804-2767

August 14, 2017
Our File No. 20160152

Ontario Energy Board
2300 Yonge Street
27th Floor
Toronto, Ontario
M4P 1E4

Attn: Kirsten Walli, Board Secretary

Dear Ms. Walli:

Re: EB-2016-0152 – OPG 2017-2021 Rates – SEC Cost Claim

We are counsel for the School Energy Coalition. We enclose the cost claim of the School Energy Coalition, on the Board's form and enclosing docket details.

This was the biggest rates proceeding in OEB or Canadian history, involving almost \$30 billion of proposed spending. It contained many substantial and complex issues. It is therefore not surprising that this is the largest cost claim ever submitted by the School Energy Coalition. Further, given the role SEC played in this proceeding, we would not be surprised if our cost claim exceeds that of other intervenors, including those who were also very actively involved in the issues.

Thus, while it is in any case our standard practice to provide some explanation supporting any cost claim, in this case we have engaged in a more extensive analysis of the time spent, and we are providing the Board with a more detailed review of the reasons for the SEC claim and its components.

Organization of the SEC Intervention

In keeping with the size and complexity of the OPG application, SEC had a comprehensive plan to divide up the responsibility and thus to target maximum effectiveness. This included a preliminary issues list, a budget with sensitivities, and a timeline on which the budget was based.

Senior counsel Jay Shepherd had the lead on the case, and dealt with most of the more technical regulatory issues, including the IRM model proposed, cost of capital, nuclear liabilities, rate smoothing, etc. Co-counsel Mark Rubenstein, who has looked in detail at capital spending in numerous recent cases, including applications by OPG, Hydro One, and Toronto Hydro, was responsible for the proposed nuclear spending, including both capital and operations.

Because the application focused heavily on the Darlington refurbishment and related Pickering extended operations, the nuclear proposals involved a pile of evidence, and a high level of detailed analysis. Assigning this to Mr. Rubenstein had the added advantage of having this volume of work done at a lower hourly rate. The Board will note that, while Mr. Shepherd dealt with most of the issues, assigning the high volume work to Mr. Rubenstein meant that the hours were split roughly equally. This was the most efficient approach to the application.

Mr. Rubenstein also took responsibility for all confidentiality claims, and all motions, which made sense since most of those revolved around the nuclear evidence. He also took responsibility for compensation issues, since only nuclear compensation was at issue in this proceeding. Conversely, Mr. Shepherd took the lead on the ADR, on argument drafting, and on client interactions/reporting. In this case, the impact of some of the issues meant that more client interactions were required to ensure that SEC's positions captured the full range of the client's concerns. Rate smoothing was an obvious example of that.

Co-ordination with Other Parties

Co-ordination between intervenors, and with OEB Staff, is a priority in every case before the Board. In this one, though, it was necessary to go an extra step. SEC took the lead on this. After the stakeholdering was complete, but well before the application was filed, SEC brought together the likely intervenors to work through both the divisions of responsibility, and the positions people were likely to take on the issues. This included identifying experts that might be necessary, and finding areas of common positions and disagreements. Much of this was intended to reduce duplication during the actual proceeding, and it was largely successful.

Following those discussions, SEC took the conclusions from those meetings and met with the OEB staff team responsible for the OPG application on behalf of most of the intervenors. This included discussions with respect to possible expert evidence, and information for OEB staff on the likely focus and perspective of many of the intervenors. One of the results of this meeting was that SEC and OEB staff avoided duplication in the hiring of some experts.

In the dockets provided, we have included 24.7 hours of time spent before the application was filed on these specific co-ordinating activities: 10.6 hours for Mr. Rubenstein and 14.1 hours for Mr. Shepherd. In our submission, this time was well spent, and saved significantly more time later on.

Nuclear Capital and Operating Proposals

The nuclear side of the application included, as expected, thousands of pages of pre-filed evidence on the Darlington refurbishment and Pickering extended operations. This was later supplemented by an additional thousands of pages of material through interrogatory responses and updates, and later in the technical conference and oral hearing.

In addition to the obvious challenges associated with this much information, there were four further complexities that Mr. Rubenstein, dealing with these issues, had to address:

- There were numerous areas in which confidentiality was claimed. This was not surprising, given the nature of the project. However, it meant that work on many nuclear operating and capital issues took longer than would otherwise have been the case, due to the added responsibility for careful handling of confidential information. SEC also took responsibility among the intervenors for doing all of the cross-examination on the confidential filings.
- The government's actions had fairly precisely defined what the OEB could and could not look at with respect to Darlington, but had not similarly limited the scope of the inquiry with respect to Pickering extended ops. All interrogatories, positions, and analysis, including participation in the technical conference and oral hearing, had to be tested against the scope constraints.
- OPG had retained experts on a number of aspects of its evidence. The detailed review of that expert analysis added to the time involved in reviewing the OPG nuclear proposals.
- The environmental groups took the lead on Pickering extended operations, and while the ratepayer groups generally were onside with the positions of the environmental groups, navigating the somewhat different perspectives on these issues added to the complexity.

The Board will be aware that, along with AMPCO, SEC took the lead in the review of the DRP evidence for the ratepayer representatives. This included, among other things, a substantial commitment to these issues in cross-examinations during the oral hearing. In addition, SEC took the lead among all parties on the non-DRP capital and operating proposals, which included many interrogatories, and a lengthy cross-examination of OPG witnesses on these issues.

The issue of compensation continues to be of considerable concern for OPG. Nuclear compensation was the focus in this proceeding, and SEC made it a particular focus in its analysis of nuclear capital and operating expenses. The Board will recall that this included detailed cross-examination in this area.

Hydroelectric IRM Proposals

OPG proposed an IRM model for its regulated hydroelectric generating stations that had a number of critical flaws. SEC was out front in identifying those flaws, and showing the impacts they would have on revenue requirement over the five years of the proposed rates.

This issue included evidence from experts for both OPG and OEB staff. SEC had thorough interrogatories of both OPG and the experts, and took the lead in the cross-examinations on these issues.

Ultimately, OPG made material changes to its hydroelectric IRM proposal, even before the proceeding was over, to respond to the concerns raised by SEC. While SEC's position, explained in Final Argument, is that the changes do not fully resolve those concerns, they did go

a long way in the right direction. It is in the Board's hands now to determine if the remaining adjustments to the proposal that SEC believes are necessary should be ordered by the Board.

Cost of Capital

The application sought an increase in equity thickness. SEC identified this as a concern early in the process, and played a leading role – with other intervenors including VECC and Energy Probe – in challenging the experts' view that an increase in thickness was appropriate. This included many interrogatories, as well as thorough technical conference and oral hearing participation.

The cost of capital issue was complicated by the fact that intervenors were not allowed to retain their own cost of capital witnesses, limiting the ability of some of them to participate as effectively as they would have liked. This increased the responsibility left on SEC. The OEB staff cost of capital witness, it turned out, while not as extreme as the witness for the applicant, still demonstrated what SEC believed to be a pro-utility bias.

SEC sought to force the issue on cost of capital with detailed cross-examinations of both experts, and with a comprehensive final argument on this issue. Whether that will turn out to be successful will be seen in the Board's decision.

Rate Smoothing

OPG made an initial rate smoothing proposal, purporting to be compliant with the government regulation in existence at the time. During the course of the proceeding, OPG and the government discussed changes to the rate smoothing, resulting in a new regulation and a new rate smoothing proposal.

The Board will be aware that SEC was the primary party dealing with the rate smoothing proposals. This is in part because of the nature of the issue (i.e. technical financial analysis), which is an area in which SEC often takes the lead in cases.

In addition, though, it was because the schools were particularly concerned about rate smoothing, which appeared to have been designed with RPP customers in mind, but ignoring the position of non-RPP customers such as schools. This meant that counsel was continually working with the client (i.e. the SEC staff, rather than individual school boards) to assess how this was going to work. It also meant that counsel had direct consultations with the senior management of several individual school boards to get further, more nuanced understanding of the impacts of both proposals.

As a result of this extensive involvement, SEC not only challenged the OPG proposals, but also provided a complete alternative proposal for the Board to consider, either in the decision or in a subsequent regulatory process focused on rate smoothing.

Nuclear Liabilities

The unique situation arising in this application with respect to nuclear liabilities was not initially on SEC's radar. It was AMPCO that first identified it, and as a result OPG filed additional evidence after ADR on the issue.

The nuclear liabilities issue was complicated by the tax ramifications of both the OPG proposal, and the alternatives. This is similar to pensions, loss utilization, and other such issues. This meant that SEC would normally be the intervenor charged with the responsibility to look into it in more detail, and we did.

As a result of a comprehensive review of the issues initially raised by AMPCO, SEC concluded that the claim for revenue requirement associated with nuclear liabilities was several hundred million dollars too high. After pursuing this in the hearing, SEC filed a detailed argument to assist the Board.

Other Issues

SEC was involved in all issues in this proceeding, including those highlighted above, although for some others we left the primary responsibility to other parties. This included Pickering extended operations, and Pickering benchmarking.

We particularly want to point out that, as is often the case where there are multiple parties in the ADR, it fell to SEC to take a leadership role during that process. This includes both the actual settlement conference, and the drafting and revising of the agreement thereafter. It is obviously inappropriate for us to provide details of that leadership role, but we believe that OEB staff and other parties will attest to it.

Conclusion

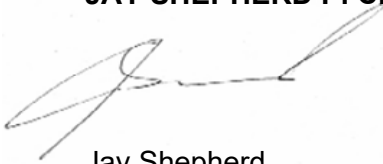
The Board will be aware that counsel for SEC has for many years engaged in a formal post-proceeding review of work done and time spent before each cost claim is filed. This has been a contractual requirement from the client since 2009, and it regularly results in claims being reduced to reflect the nature of the work done, or to exclude time spent that we don't believe should be claimed.

Such a review was done in this case, and the cost claim attached reflects what in our view, and the view of our client, is a reasonable amount for work done and expenses incurred to mount an effective intervention that was intended to be of assistance to the Board. We believe that, as a result of being thorough in both the planning and execution of our intervention, and focusing on what was important, we were able to maximize our assistance to the Board.

SEC therefore requests that the Board approve the claim as filed.

All of which is respectfully submitted.

Yours very truly,
JAY SHEPHERD P. C.



Jay Shepherd

cc: Wayne McNally, SEC (email)
Interested Parties

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:	OPG 2017-2021 Rates
Party:	School Energy Coalition	Affiant's Name:	Jay Shepherd
HST Number:	83673-5464-RT0001	HST Rate Ontario:	13.00%
	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, **Jay Shepherd**, 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**,
in the Province/State of **Ontario**, on **August 14, 2017**.
(date)

Commissioner for taking Affidavits

Ontario Energy Board
COST CLAIM FOR HEARINGS



Affidavit and Summary of Fees and Disbursements

File # EB- 2016-0152 Process: OPG 2017-2021 Rates

Party: School Energy Coalition

Summary of Fees and Disbursements Being Claimed

Legal/consultant/other fees	\$	296,561.00
Disbursements	\$	578.13
HST	\$	38,628.09
Total Cost Claim	\$	335,767.22

Payment Information

Make cheque payable to: Shepherd Rubenstein Professional Corporation, in trust

Send payment to this address: 2200 Yonge Street
Suite 1302
Toronto, Ontario
M4S2C6

Ontario Energy Board COST CLAIM FOR HEARINGS



Detail of Fees and Disbursements Being Claimed

File # EB- <u>2016-0152</u>	Process: <u>OPG 2017-2021 Rates</u>
Party: <u>School Energy Coalition</u>	Service Provider Name: <u>Jay Shepherd</u>
SERVICE PROVIDER TYPE (check one) <input checked="" type="checkbox"/> Legal Counsel <input type="checkbox"/> Articling Student/Paralegal <input type="checkbox"/> Consultant <input type="checkbox"/> Analyst	Year Called to Bar: <u>1980</u> Completed Years Practising/Years of Relevant Experience: <u>37</u> Hourly Rate: <u>\$330</u> For Consultant/Analyst: <input type="checkbox"/> CV attached <input type="checkbox"/> CV provided within previous 24 months HST Rate Charged (enter %): <u>13.0%</u>

Statement of Fees Being Claimed					
	Hours	Hourly Rate	Subtotal	HST	Total
Pre-hearing Conference					
Preparation	8.6	\$ 330.00	\$ 2,838.00	\$ 368.94	\$ 3,206.94
Attendance	5.5	\$ 330.00	\$ 1,815.00	\$ 235.95	\$ 2,050.95
Technical Conference					
Preparation	22.2	\$ 330.00	\$ 7,326.00	\$ 952.38	\$ 8,278.38
Attendance	8.0	\$ 330.00	\$ 2,640.00	\$ 343.20	\$ 2,983.20
Interrogatories					
Preparation	88.3	\$ 330.00	\$ 29,139.00	\$ 3,788.07	\$ 32,927.07
Responses	25.5	\$ 330.00	\$ 8,415.00	\$ 1,093.95	\$ 9,508.95
Issues Conference					
Preparation	4.1	\$ 330.00	\$ 1,353.00	\$ 175.89	\$ 1,528.89
Attendance		\$ 330.00	\$ -	\$ -	\$ -
ADR - Settlement Conference					
Preparation	29.6	\$ 330.00	\$ 9,768.00	\$ 1,269.84	\$ 11,037.84
Attendance	20.8	\$ 330.00	\$ 6,864.00	\$ 892.32	\$ 7,756.32
Proposal Preparation	14.1	\$ 330.00	\$ 4,653.00	\$ 604.89	\$ 5,257.89
Argument					
Preparation	146.7	\$ 330.00	\$ 48,411.00	\$ 6,293.43	\$ 54,704.43
Oral Hearing					
Preparation	181.7	\$ 330.00	\$ 59,961.00	\$ 7,794.93	\$ 67,755.93
Attendance	38.5	\$ 330.00	\$ 12,705.00	\$ 1,651.65	\$ 14,356.65
Other Conferences					
Preparation	1.8	\$ 330.00	\$ 594.00	\$ 77.22	\$ 671.22
Attendance		\$ 330.00	\$ -	\$ -	\$ -
Case Management		\$ 170.00	\$ -	\$ -	\$ -
TOTAL SERVICE PROVIDER FEES			\$196,482.00	\$ 25,542.66	\$ 222,024.66

**Ontario Energy Board
COST CLAIM FOR HEARINGS**



Detail of Fees and Disbursements Being Claimed

File # EB- 2016-0152

Process: OPG 2017-2021 Rates

Party: School Energy Coalition

Service Provider Name: Jay Shepherd

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:			\$ -
TOTAL DISBURSEMENTS:			
	\$ -	\$ -	\$ -

Ontario Energy Board COST CLAIM FOR HEARINGS



Detail of Fees and Disbursements Being Claimed

File # EB- <u>2016-0152</u>	Process: <u>OPG 2017-2021 Rates</u>
Party: <u>School Energy Coalition</u>	Service Provider Name: <u>Mark Rubenstein</u>
SERVICE PROVIDER TYPE (check one)	Year Called to Bar <input type="checkbox"/> 2011
Legal Counsel <input checked="" type="checkbox"/> Articling Student/Paralegal <input type="checkbox"/> Consultant <input type="checkbox"/> Analyst <input type="checkbox"/>	Completed Years Practising/Years of Relevant Experience <input type="text" value="5"/>
For Consultant/Analyst: <input type="checkbox"/> CV attached <input type="checkbox"/> CV provided within previous 24 months	Hourly Rate: <input type="text" value="\$170"/> HST Rate Charged (enter %): <input type="text" value="13.0%"/>

Statement of Fees Being Claimed					
	Hours	Hourly Rate	Subtotal	HST	Total
Pre-hearing Conference					
Preparation	5.6	\$ 170.00	\$ 952.00	\$ 123.76	\$ 1,075.76
Attendance	5.0	\$ 170.00	\$ 850.00	\$ 110.50	\$ 960.50
Technical Conference					
Preparation	17.9	\$ 170.00	\$ 3,043.00	\$ 395.59	\$ 3,438.59
Attendance	16.2	\$ 170.00	\$ 2,754.00	\$ 358.02	\$ 3,112.02
Interrogatories					
Preparation	62.2	\$ 170.00	\$ 10,574.00	\$ 1,374.62	\$ 11,948.62
Responses	32.5	\$ 170.00	\$ 5,525.00	\$ 718.25	\$ 6,243.25
Issues Conference					
Preparation	3.4	\$ 170.00	\$ 578.00	\$ 75.14	\$ 653.14
Attendance		\$ 170.00	\$ -	\$ -	\$ -
ADR - Settlement Conference					
Preparation	19.5	\$ 170.00	\$ 3,315.00	\$ 430.95	\$ 3,745.95
Attendance	8.2	\$ 170.00	\$ 1,394.00	\$ 181.22	\$ 1,575.22
Proposal Preparation	2.4	\$ 170.00	\$ 408.00	\$ 53.04	\$ 461.04
Argument					
Preparation	109.6	\$ 170.00	\$ 18,632.00	\$ 2,422.16	\$ 21,054.16
Oral Hearing					
Preparation	175.9	\$ 170.00	\$ 29,903.00	\$ 3,887.39	\$ 33,790.39
Attendance	98.8	\$ 170.00	\$ 16,796.00	\$ 2,183.48	\$ 18,979.48
Other Conferences					
Preparation	31.5	\$ 170.00	\$ 5,355.00	\$ 696.15	\$ 6,051.15
Attendance		\$ 170.00	\$ -	\$ -	\$ -
Case Management					
		\$ 170.00	\$ -	\$ -	\$ -
TOTAL SERVICE PROVIDER FEES			\$100,079.00	\$ 13,010.27	\$ 113,089.27

**Ontario Energy Board
COST CLAIM FOR HEARINGS**



Detail of Fees and Disbursements Being Claimed

File # EB- 2016-0152

Process: OPG 2017-2021 Rates

Party: School Energy Coalition

Service Provider Name: Mark Rubenstein

Statement of Disbursements Being Claimed			
	Net Cost	HST	Total
Scanning/Photocopy			\$ -
Printing	\$ 336.30	\$ 43.72	\$ 380.02
Courier			\$ -
Telephone/Fax	\$ 241.83	\$ 31.44	\$ 273.27
Transcripts			\$ -
Travel: Air			\$ -
Travel: Car			\$ -
Travel: Rail			\$ -
Travel (Other):			\$ -
Parking			\$ -
Taxi			\$ -
Accommodation			\$ -
Meals			\$ -
Other:			\$ -
Other:			\$ -
Other:			\$ -
TOTAL DISBURSEMENTS:	\$ 578.13	\$ 75.16	\$ 653.29

Date	Explanation	Lwyr	MR	JCS
20150627	Meeting with Mark Lowry	JCS		0.7
20150628	Telephone call with Mark Lowry, many emails	JCS		0.9
20160120	Many emails, Meeting with stakeholders	JCS		0.5
20160209	Many emails, Meeting with Mark Rubenstein	JCS		1.0
20160209	disc w JCS/emails re: possible experts	MR	0.3	
20160219	emails	MR	0.2	
20160222	emails	MR	0.1	
20160315	Various emails	JCS		0.1
20160321	Emailed Mark Lowry	JCS		0.1
20160322	Set up doodle poll, Meeting with Mark Rubenstein, Email intervenors	JCS		0.6
20160322	emails/disc w JCS	MR	0.5	
20160323	Many emails	JCS		0.3
20160324	Many emails	JCS		0.4
20160324	emails/consider nuclear experts research/instructions to SP regarding review	MR	1.5	
20160328	disc w JCS/emails	MR	0.1	
20160329	Agenda, Many emails, Meeting with Mark Rubenstein	JCS		1.3
20160329	emails/prepare for intervenor meeting	MR	1.0	
20160330	review agenda and schedule/emails/attend intervenor coordination meeting	MR	3.2	
20160330	Intervenor meeting, Prep, Many emails, Preliminary Budget	JCS		4.9
20160331	emails/review JG material and report sent	MR	1.2	
20160401	Many emails	JCS		0.1
20160406	Meeting with staff Re: Issues, intervenors, Prep, Many emails	JCS		2.1
20160406	meeting w Board Staff (VB, TA, MM)/emails/disc w JCS	MR	2.4	
20160411	Many emails, Scheduling, Client reporting	JCS		0.8
20160518	emails	MR	0.1	
20160519	Review reports	JCS		0.3
20160527	emails/prelim review of application	MR	2.0	
20160528	preliminary review of application	MR	0.5	
20160601	disc w S. Grice/disc w JCS	MR	0.5	
20160602	Meeting with Mark Rubenstein, Many emails, Proposal to Marcus	JCS		1.7
20160604	Review evidence, Research	JCS		2.5
20160606	Meeting with Mark Rubenstein	JCS		0.7
20160606	disc w JCS	MR	0.5	
20160607	Review evidence, Review confidentiality claim, calculate impacts	JCS		2.9
20160607	emails	MR	0.2	
20160608	Review Evidence	JCS		2.0

20160614	Review evidence	JCS		2.0
20160623	Review evidence, Notice of Intervention	JCS		1.0
20160625	Review evidence	JCS		1.0
20160701	Review evidence	JCS		2.0
20160702	Review evidence	JCS		1.1
20160703	Review evidence	JCS		0.7
20160710	Review evidence	JCS		2.0
20160716	Review evidence	JCS		1.8
20160722	Review evidence	JCS		1.1
20160725	emails	MR	0.2	
20160726	Review evidence, Many emails, Telephone conversation with Mark Rubenstein	JCS		2.2
20160726	emails	MR	0.1	
20160728	Review issues for upcoming intervenor meeting	JCS		0.7
20160729	Many emails, Review amendments	JCS		1.2
20160729	emails/review Corr	MR	0.4	
20160801	Reviewing evidence	JCS		2.0
20160801	review application/draft IRs/research re: DRP	MR	5.8	
20160802	review application/draft IRs/research re: DRP	MR	1.2	
20160803	review application/draft IRs/research re: DRP	MR	5.5	
20160803	Many emails, Reviewing evidence, Meeting with Mark, Client report	JCS		3.2
20160804	Intervenor conference call, Many emails, Meeting with Mark, Review evidence	JCS		3.6
20160804	emails/conference call w intervenors/p. call w B. Yauch	MR	1.2	
20160808	emails	MR	0.2	
20160811	Many emails, Meeting with Mark	JCS		0.7
20160812	Review PO #1 and scheduling, Review evidence	JCS		0.4
20160812	disc w JCS	MR	0.3	
20160812	review PO	MR	0.3	
20160815	emails/review evidence/draft IRs	MR	1.8	
20160815	emails/prepare, sign and file D&U	MR	0.4	
20160816	Declarations and Undertakings, Meeting with Mark	JCS		0.3
20160816	emails and refile correct D&U	MR	0.2	
20160822	Review evidence	JCS		1.0
20160823	Review letter, Meeting with Mark Rubenstein, Many emails	JCS		1.1
20160823	p. call w. M. Millar/disc w JCS/emails/draft, edit, finalize and file Ltr re: redacted transcripts	MR	2.2	
20160824	Review confidentiality claim, etc., Many emails	JCS		1.1
20160824	email/receive conf binder and prel review contents/review conf sub	MR	2.4	
20160825	review conf submission of AECON/review IPC decision referenced	MR	1.2	

20160826	Many emails	JCS		0.2
20160826	emails	MR	0.1	
20160829	Many emails	JCS		0.2
20160829	emails/review expert proposal and p. call w . B. Yauch re: expert	MR	0.7	
20160830	Many emails, Review draft confidentiality submissions	JCS		0.7
20160830	draft sub confidentiality/emails/review DRP material in the application and draft IRs	MR	6.1	
20160831	Review staff submissions, Many emails, Review submissions of others	JCS		1.0
20160831	emails/review other parties sub/edit, finalize and file sub	MR	1.8	
20160901	attend presentation day hearing/discussion with parties/emails	MR	3.5	
20160901	Review OPG letter, Review presentation materials, Many emails	JCS		0.8
20160902	review application/draft IRs re: nuclear OM&A	MR	3.2	
20160903	review application/draft IRs re: nuclear OM&A	MR	3.5	
20160906	emails/disc w JCS/review application and draft IRRs	MR	2.4	
20160907	review application/draft IRRs	MR	4.0	
20160909	review application/draft IRs/reply conf sub	MR	4.1	
20160909	Many emails, Review staff and OPG replies and other submissions	JCS		0.4
20160911	Many emails	JCS		0.3
20160913	review evidence/draft IRs/emails re: EP expert/prepare for meeting tomorrow/review OPG corr	MR	2.2	
20160914	meeting at AMPCO offices with S. Grice and R. Lukosius re:DRP/review GEC letter/draft letter/emails	MR	4.2	
20160914	Many emails, Review letters	JCS		0.5
20160915	review evidence/draft IRs/finalize and file letter re: tech conf	MR	2.5	
20160915	Many emails	JCS		0.3
20160916	emails/review evidence/draft IRs	MR	3.5	
20160920	review Bd letter/emails	MR	0.2	
20160922	prepare for untranscribed tech conference	MR	0.7	
20160923	attend untranscribed tech conference	MR	5.2	
20160923	Review presentation, Review issues list decision	JCS		0.5
20160925	review materials and draft IRs re: nuclear capital	MR	2.5	
20160925	Review evidence	JCS		1.0
20160926	emails/review PO/review	MR	0.2	
20160927	review materials/draft IRs re: nuclear capital /emails	MR	2.1	
20160928	review staff IRs for duplicates/review materials and finalize IRs/review bd letter/emails	MR	2.1	
20160929	emails/review correspondence from Bd	MR	0.2	

20160929	Review Board letter, Impact analysis, Review OPG letter, Many emails	JCS		1.3
20160930	Review evidence	JCS		4.0
20161001	Many emails	JCS		0.4
20161002	Review evidence, Draft interrogatories, Draft letter to Board	JCS		5.3
20161003	Review evidence, Draft interrogatories, Review interrogatories of others, Revise and file letter	JCS		6.9
20161003	review letter on experts, provide comment, review letter/review and incorporate JCS IRs into main IRs/finalize, file IRs/review other p	MR	4.4	
20161004	Review additional interrogatories of others, Many emails	JCS		0.7
20161004	emails	MR	0.2	
20161016	Review pre-filed evidence	JCS		2.0
20161017	Meet with Mark	JCS		0.5
20161024	Many emails	JCS		0.2
20161024	emails	MR	0.4	
20161026	preliminary review of IRs	MR	1.5	
20161027	Many emails, Review letter, Review spreadsheets	JCS		2.1
20161027	preliminary review of IRs	MR	1.2	
20161028	review IRRs	MR	2.9	
20161029	Review interrogatory responses	JCS		4.0
20161031	Many emails, Review letter, Analysis of evidence	JCS		3.0
20161031	review IRRs/disc w JCS	MR	4.2	
20161101	review IRR/review conf decision	MR	6.2	
20161101	Review IR responses, Many emails, Review decision on confidentiality	JCS		1.6
20161102	review IRR/emails/review bd letter/instructions to S.P. re: Galloway research	MR	4.5	
20161102	Many emails, Review board letter	JCS		0.3
20161103	emails/review IRR	MR	1.0	
20161103	Many emails	JCS		0.4
20161104	emails/review IRR/review PO and letter to EP	MR	4.4	
20161104	Review PO #4 and scheduling, Many emails, Review correspondence	JCS		0.7
20161106	review IRR	MR	3.5	
20161107	review IRR/emails	MR	4.4	
20161108	review IRR/emails/disc w JCS	MR	2.5	
20161108	Many emails, TC Prep	JCS		0.4
20161109	emails/review sub on prioritization	MR	0.5	
20161109	Issues list prioritization, Many emails, Review submissions	JCS		1.9
20161110	review IRR/emails/disc w JCS/review various corr	MR	4.0	
20161110	TC Areas of interest, Review interrogatories, Many emails, Spreadsheets	JCS		6.0

20161111	meeting w S. Grice and RL at AMPCO offices/prepare for technical conferences/review materials/review OPG corr	MR	6.5	
20161111	Many emails, Meet with Mark Rubenstein, Review submissions, Review TCQ, Review board letter, Review IR responses	JCS		3.6
20161112	prepare for TC/review IRR/review JV submissions and materials on confidentiality	MR	2.5	
20161112	Prep for technical conference	JCS		4.4
20161113	prepare for TC/review IRR	MR	4.1	
20161114	attend technical conference	MR	8.5	
20161114	Prep and Attend at Technical Conference (internet), Many emails, Review transcripts, Meet with Mark Rubenstein re status, Review submis	JCS		8.1
20161114	disc w JCS/prepare for day 2 of technical conference/review transcript	MR	1.7	
20161115	attend technical conference	MR	8.3	
20161115	prepare for day 3/review transcript	MR	1.2	
20161115	Prep for technical conference, Many emails, Review reply submissions on issues, Confidentiality matters	JCS		4.1
20161116	attend technical conference to ask panel 3 questions related to issues I am responsible for	MR	0.4	
20161116	review transcript/emails	MR	0.5	
20161116	Prep and Attend at Technical Conference (in person and internet), Many emails, Review transcripts	JCS		6.7
20161117	review confidential IRR for purposes of conf submissions	MR	0.6	
20161118	emails/review corr and conf sub	MR	0.2	
20161118	Many emails, Review additional material	JCS		0.4
20161120	draft sub on conf IRR	MR	0.5	
20161121	emails/finalize and file sub on confidentiality/review corr/prelim review of expert report	MR	1.2	
20161121	Many emails , Review confidentiality submissions, Review staff evidence	JCS		1.9
20161122	Prepare presentation for Thunder Bay school boards (smoothing), Many emails	JCS		0.6
20161123	emails/prelim review of expert evidence	MR	0.5	
20161123	Many emails, Review Staff evidence, Review additional correspondence	JCS		1.2
20161124	email	MR	0.1	
20161124	Many emails, Review TC corrections, Meeting with Thunder Bay School Boards	JCS		0.7
20161125	emails/review reply conf sub	MR	0.1	
20161125	Review confidentiality request, many emails, Review submissions	JCS		0.7

20161128	emails/review reply on confidentiality reply sub	MR	0.3	
20161128	Various emails, Scheduling, Review confidentiality submissions	JCS		0.6
20161129	Review OEB Staff evidence, Many emails	JCS		3.1
20161130	review Schiff Hardin report/draft IRs/emails/review underlying information on report/review SEC draft motion/preliminary review of furt	MR	3.2	
20161130	Review IRR for incompletes and refusals, Draft motion, Many emails, Review OEB Staff evidence, Client reporting	JCS		6.0
20161201	Review OEB Staff evidence, Draft interrogatories, Many emails	JCS		3.3
20161202	Revise and file Motion, Draft and file interrogatories, Review GEC Motion, Review interrogatories of others, Many emails, Review transc	JCS		7.4
20161202	emails/review other IRs/review PO	MR	0.5	
20161203	Review interrogatories of others	JCS		0.5
20161207	Review draft submissions on confidentiality, Many emails	JCS		0.6
20161207	review conf undertaking responses/draft confidential objection/edit and finalize submissions	MR	1.8	
20161208	Many emails, Review interim order, Review staff submission	JCS		0.2
20161208	review staff sub/emails	MR	0.2	
20161209	Review ED and Staff submissions, Many emails	JCS		1.1
20161213	Review OPG reply and letter, Many emails	JCS		0.6
20161213	review motion reply/emails	MR	0.5	
20161214	Review OPG submission, Review staff submission, Many emails	JCS		0.8
20161214	review reply sub on confidentiality/emails	MR	0.2	
20161215	Review motion materials from parties	JCS		1.5
20161215	preliminary review of Staff evidence IRRs/emails	MR	0.3	
20161216	Attend at hearing (internet) for motions, Many emails	JCS		2.0
20161218	Outline of issues for ADR prep	JCS		1.0
20161220	Review impact statement	JCS		0.3
20161221	Review issues decision, Many emails, Review evidence	JCS		1.1
20161221	review Staff evidence IRR/emails/review prioritization decision	MR	1.5	
20161222	Review new filings and updated interrogatory responses	JCS		0.8
20161222	emails/review updated IRR	MR	0.3	
20161226	Review evidence and prep for ADR	JCS		2.2
20161227	Review evidence and prep for ADR	JCS		4.0
20161230	Workplan, Review additional filings	JCS		1.0
20161231	Review evidence and prep for ADR	JCS		2.0
20170103	Various emails	JCS		0.1
20170103	emails/review NTP report filed as updated IR response	MR	1.5	

20170104	Various emails, Meeting with Mark	JCS		0.2
20170104	emails/disc w JCS/prepare for Settlement Conference	MR	4.2	
20170105	Review issues list and status, Meeting with Mark, Telephone call with Ken Rosenberg, Many emails	JCS		1.6
20170105	prepare for settlement conference/p. call w. S. Grice re: nuclear settlement issues/meeting w JCS	MR	4.6	
20170106	prepare for settlement conference/emails	MR	1.5	
20170107	Review evidence and IR responses	JCS		2.0
20170108	Prep for ADR	JCS		3.5
20170108	prepare for settlement conference/many emails	MR	4.7	
20170109	Attend at ADR, Many emails, Meet with Mark	JCS		7.5
20170109	attend first part of settlement conference re: discussion of issues and positions/emails	MR	7.2	
20170110	Attend at ADR, Many emails, Meet with Mark	JCS		9.0
20170110	emails re: settlement conf positions and offer calculations/disc w JCS	MR	1.0	
20170111	Attend at ADR, Many emails, Meet with Mark, Review summary	JCS		4.3
20170112	emails/disc w JCS re: settlement	MR	0.5	
20170113	Client presentation for Kingston	JCS		0.6
20170113	emails	MR	0.2	
20170114	Prep for hearing	JCS		3.0
20170116	Meet with Kingston area school boards, Review revised PEG response, Client reporting	JCS		1.5
20170117	Review issues for hearing, Many emails	JCS		1.2
20170117	emails/provide comments to JCS re: settlement proposal wording	MR	0.2	
20170118	Detailed review and edit of Settlement Proposal, Many emails, Meet with Mark	JCS		3.1
20170118	disc w S. Grice/review settlement proposal comments and edits	MR	0.6	
20170119	Many emails, Review evidence and issues, Draft letter re 8.1, Meet with Mark	JCS		1.6
20170119	disc w JCS re: settlement agreement and need to add issues to primary/review draft SEC letter	MR	0.5	
20170120	Many emails, Review SJ issue and draft proposal, Review evidence and issues, Finalize and file letter re 8.1	JCS		1.4
20170120	emails	MR	0.2	
20170122	Many emails	JCS		0.2
20170123	Many emails, Telephone call with Charles Keizer	JCS		0.6
20170124	Many emails, Review Board letter	JCS		0.3
20170124	review OPG Corr	MR	0.2	
20170125	Many emails	JCS		0.2

20170126	Final review and signoff, Many emails	JCS		0.4
20170127	Review decision on issues list, Many emails	JCS		1.1
20170127	review PO and issues list decision	MR	0.2	
20170130	Review filed settlement agreement, Review witness panels, Meet with Mark, Many emails	JCS		0.7
20170130	emails/review OPG corr	MR	0.2	
20170131	Various emails, Review hearing plan and corresponding issues descriptions, Review Board letter, Review confidentiality decision	JCS		1.6
20170131	review bd letter/conf decision and PO/emails	MR	0.4	
20170202	Review staff spreadsheets	JCS		0.8
20170203	Many emails, Review Staff comments, Prep for hearing	JCS		1.2
20170204	Prep for hearing	JCS		1.0
20170205	Prep for hearing	JCS		3.0
20170206	Meeting with Mark	JCS		0.6
20170206	review materials/review evidence/prepare for hearing	MR	2.5	
20170207	Many emails, Hearing plan estimates, Scheduling and Resource forecasting	JCS		1.3
20170207	review materials/emails	MR	3.0	
20170208	Review new material filed	JCS		0.3
20170208	emails/prepare for hearing	MR	2.2	
20170209	Review and send oral hearing plan	JCS		0.3
20170209	meeting w S. Grice/p. call w. I. Mondrow/disc w JCS/prepare for hearing	MR	4.4	
20170210	p. call w. I. Mondrow/emails/review corr and updates from OPG	MR	1.2	
20170211	Prep for hearing, Review newly filed materials	JCS		2.1
20170212	emails/prepare for hearing	MR	5.2	
20170213	Research re witnesses, Review new materials, Many emails, Scheduling	JCS		1.8
20170213	emails/p. call w. V. Benette/p. call w. Ian Richler re: discussion on DRP issues/prepare for hearing	MR	4.4	
20170214	Prep for hearing, Research, Many emails, Scheduling	JCS		0.7
20170214	research issues/prepare for hearing/p. call w. M. Millar	MR	4.5	
20170215	Prep for hearing, Many emails, Review GEC motion decision, Review supplemental evidence	JCS		1.7
20170215	research issues/prepare for hearing/p. call w. M. Millar/review addition OPG evidence	MR	6.1	
20170216	Review additional materials and LEI response, Many emails, Review Motion decisions	JCS		3.1
20170216	review motion decision/emails/review Staff	MR	0.5	
20170217	Review new materials, Review hearing planning and scheduling, Many emails, Review PO#7	JCS		1.3

20170217	emails/review Staff hearing plan/review OPG corr/prepare for hearing	MR	4.1	
20170218	prepare for hearing/review materials/research	MR	3.2	
20170221	Prep for hearing	JCS		0.5
20170221	prepare for hearing	MR	3.6	
20170222	Review new materials, Many emails	JCS		2.1
20170222	emails/review OPG corr/p. call w. V. DeRose	MR	2.5	
20170223	Revise hearing plan, Many emails, Review evidence, Review staff letter, Review decision	JCS		2.3
20170223	emails/review bd letter/prepare for hearing	MR	4.0	
20170224	Meet with Mark, Many emails, Scheduling, Prep for hearing, Review additional materials	JCS		3.3
20170224	review materials/emails/review OPG letter/prepare for DRP hearing days	MR	3.5	
20170225	Prep for hearing	JCS		2.2
20170225	prepare for panel 1A cross/emails	MR	7.2	
20170226	Prep for hearing	JCS		3.0
20170226	prepare for panel 1A and 1B cross/many emails/prepare compendium	MR	6.5	
20170227	Attend at hearing (internet - 0.7), Many emails, Meeting with Mark re DRP issues and scheduling of Panel 2Aii, Review filed materials,	JCS		2.7
20170227	attend hearing	MR	7.8	
20170227	review transcript/disc w JCS/prepare for panel 1B/research	MR	4.4	
20170228	Attend at hearing (internet - 0.5), Prep for 2A i&ii, Many emails, Review scheduling changes, Meet with Mark	JCS		4.3
20170228	attend hearing	MR	8.1	
20170228	review transcript/disc w JCS/prepare cross for panel 1B	MR	4.2	
20170301	emails/disc w JCS/prepare panel 1B cross/prepare compendium	MR	10.2	
20170301	Prep for Panel 2Ai, Meet with Mark, Many emails	JCS		5.7
20170302	attend hearing	MR	7.1	
20170302	Prep for Panel 2Ai, Meet with Mark, Many emails, Review undertaking responses, Attend at hearing (internet - no incremental time)	JCS		8.9
20170303	attend hearing/emails/disc w JCS	MR	6.0	
20170303	Prep for Panel 2Ai, Meet with Mark, Review undertaking responses, (Attend at hearing - no incremental time), Many emails, Review settle	JCS		5.1
20170304	emails/review transcripts/prepare for panel 1C/review UT responses/research and review previous Galloway testimony	MR	6.1	
20170304	Many emails, Prep for Panel 5B	JCS		1.1
20170305	emails/draft cross for panel 1C/prepare for panel 2Aii	MR	5.1	

20170305	Review changes to settlement proposal and provide edit, Various emails	JCS		0.7
20170306	attend hearing	MR	7.3	
20170306	disc w other parties/disc w JCS/review transcript/revise Pegasus cross/prepare compendium for 2Aii/draft cross for panel 2Aiii	MR	4.5	
20170306	Attend at hearing (internet, no incremental time; in person for settlement presentation - 0.4 hours), Review revised regulation, Many e	JCS		4.3
20170307	attend hearing/emails/disc w JCS	MR	7.7	
20170307	Attend at hearing (internet, 0.5 incremental), Rate smoothing calculations, Prep for hearing, Review IRM materials, Many emails	JCS		7.2
20170308	emails/review transcript/prepare cross for panel 1D	MR	3.2	
20170308	Prep for future panels, Review rate smoothing reg and old/new materials, Many emails, Modelling options	JCS		3.7
20170309	attend hearing	MR	6.8	
20170309	Review transcript, Many emails, Re-evaluate schedule	JCS		2.0
20170310	attend hearing	MR	5.5	
20170310	disc w JCS/emails	MR	0.3	
20170310	Attend at hearing (internet - no incremental time), Meet with Mark, Review new rate smoothing evidence, Many emails	JCS		3.2
20170311	Review Friday transcript	JCS		1.1
20170312	Review evidence and issues	JCS		1.4
20170313	emails/review undertaking responses	MR	0.3	
20170313	Many emails, Review productivity evidence	JCS		2.6
20170314	emails/review undertaking responses	MR	0.4	
20170314	Prep for hearing, Review new material and scheduling	JCS		3.0
20170315	emails/prepare for nuclear operations panel/review material	MR	2.2	
20170315	Many emails, Review additional material, Telephone call with Mike Millar, Finalize and send cost forecasting model	JCS		3.6
20170316	emails/review UT responses	MR	0.2	
20170316	Hearing prep	JCS		1.0
20170317	emails/review UT responses	MR	0.3	
20170317	Review interrogatory responses and followup filings, Many emails	JCS		1.1
20170318	Prep for hearing, Review LEI vs. PEG reports	JCS		1.3
20170319	prepare for hearing/review materials	MR	5.2	
20170319	Prep for hearing	JCS		1.0
20170320	review UT responses	MR	0.2	

20170320	Many emails, Prep for Panel 2Ai cross, Prepare compendium, Attend at Hearing (internet, no incremental time), Review OPG filings, Prepa	JCS		12.2
20170321	prepare for nuclear operations cross/prepare compendium/emails	MR	3.4	
20170321	Attend at hearing (in person and internet), Many emails, Review new material, File Exhibit K10.4	JCS		9.4
20170322	prepare for nuclear operations cross/review materials/emails	MR	5.0	
20170322	Many emails, Prep for Panel 2B cross, Review new materials filed, File K10.5, Review OPG compendium	JCS		5.8
20170323	emails/prepare for remainder of IESO panel/prepare nuclear operations cross	MR	2.5	
20170323	Attend at hearing (in person and internet), Many emails, Review new material	JCS		4.6
20170324	attend hearing/disc w parties	MR	7.1	
20170324	Attend at hearing (internet - .6 incremental), Many emails, Prep for cost of capital, Meeting with Mark re Panel 5B, scheduling, and ar	JCS		1.2
20170325	prepare cross-examination for nuc ops and compensation	MR	2.5	
20170325	Research	JCS		2.2
20170326	prepare for cross/emails	MR	3.3	
20170326	Research, Review ED compendium	JCS		3.0
20170327	attend hearing	MR	7.7	
20170327	review transcripts/review cross-examination	MR	3.4	
20170327	Attend at hearing (internet - no incremental time), Cross prep for finance panel, Many emails, Review additional filings, Research	JCS		4.5
20170328	attend hearing	MR	7.2	
20170328	review transcript/prepare for hearing	MR	4.4	
20170328	Attend at hearing (internet - no incremental time), Cross prep for cost of capital and finance panels, Many emails, Review additional f	JCS		5.5
20170329	prepare for compensation panel cross/review evidence/research and analysis	MR	3.4	
20170329	Prep for cost of capital, Many emails, Review new filings	JCS		4.8
20170330	attend hearing	MR	7.7	
20170330	emails/review transcript/prepare spreadsheet/conduct analysis	MR	4.5	
20170330	Attend at hearing (internet - no incremental time), Cross prep for cost of capital and finance panels, Many emails, Rescheduling, Revie	JCS		7.7
20170331	attend hearing	MR	7.0	

20170331	emails/disc w parties/finalize and email out spreadsheet	MR	0.3	
20170331	Attend at hearing (internet - no incremental time), Cross prep for cost of capital and finance panels, Many emails, Rescheduling, Revie	JCS		4.0
20170401	Prep for Panel 5Ai	JCS		4.0
20170401	prepare cross-examination/emails/prepare compendium	MR	5.5	
20170402	Prep for Panel 5Ai and 5Aii, Many emails, Review undertaking responses, Research	JCS		4.0
20170402	prepare cross-examination/finalize compendium	MR	6.0	
20170403	Review new filings, Cross Prep, Many emails, Compendium, Review transcript, Attend at hearing (internet - no incremental time)	JCS		7.5
20170403	attend hearing	MR	7.5	
20170403	review transcript and undertakings	MR	0.8	
20170404	Attend at hearing, Many emails, Cross Prep, Cross of Concentric, Review new filings	JCS		9.4
20170404	review UT/emails	MR	0.4	
20170405	Attend at hearing, Many emails, Cross Prep, Cross of Brattle, Review new filings	JCS		8.3
20170405	emails/disc w JCS	MR	0.5	
20170406	Attend at hearing (internet - no incremental time), Many emails, Cross Prep, Review new filings	JCS		7.8
20170406	emails/provide common cost issues to intervenors to explore in hearing	MR	1.5	
20170407	Attend at hearing, Cross 5B, Finalize and file compendium, Many emails, Review transcripts, Review additional filings	JCS		8.9
20170407	emails	MR	0.4	
20170408	Many emails	JCS		0.3
20170409	Many emails, Nuclear liabilities analysis	JCS		2.2
20170410	Review nuclear liabilities information, Many emails	JCS		1.6
20170410	emails	MR	0.1	
20170410	emails/review UT responses	MR	0.2	
20170411	Many emails, Review additional material, Prep for rate smoothing	JCS		1.0
20170411	consider issues for argument/review materials	MR	3.0	
20170412	Attend at hearing (internet - no incremental time), Cross prep, Many emails, Prepare and revise materials, Review many additional filin	JCS		6.6
20170413	Attend at Hearing (in person), Many emails, Complete prep and compendium	JCS		4.7
20170414	Argument planning	JCS		1.5
20170416	Reviewing transcripts	JCS		1.1
20170417	Reviewing transcripts	JCS		3.0

20170418	Review PO #8 and scheduling, Many emails, Review evidence and transcripts	JCS		1.3
20170418	emails/review UT responses	MR	0.2	
20170419	Review evidence	JCS		2.2
20170419	emails/disc w SG/review UT responses	MR	0.3	
20170420	Review additional filings, Many emails	JCS		0.4
20170420	review UT responses/emails	MR	0.2	
20170421	Review additional filings, Many emails	JCS		0.7
20170422	Argument	JCS		0.6
20170423	Many emails, Review transcripts	JCS		1.0
20170424	Many emails, Review undertaking responses	JCS		0.2
20170424	review UT responses	MR	0.4	
20170425	Many emails	JCS		0.3
20170425	review UT responses/consider issues for argument	MR	1.8	
20170426	Review undertakings	JCS		0.3
20170426	emails/review revised version sent to meal/entertainment of JX 17.1 attachments	MR	1.5	
20170427	Argument	JCS		1.0
20170427	meeting w S. Grice re: argument discussion and coordination on DRP	MR	2.0	
20170428	Review evidence	JCS		2.2
20170429	research/draft argument	MR	4.0	
20170430	Argument prep/analysis	JCS		2.0
20170430	research/draft argument	MR	4.5	
20170501	Meet with Mark re argument, Review issues	JCS		1.2
20170501	discussions w JCS	MR	0.2	
20170502	Review evidence, Argument notes	JCS		3.0
20170502	draft argument	MR	6.1	
20170503	Many emails, Materials to Energy Probe, Review evidence and transcripts	JCS		3.7
20170503	draft argument/review argument-in-chief	MR	5.4	
20170504	Review argument in chief, Review transcripts, Many emails, Review decision on confidentiality	JCS		2.9
20170504	review argument-in-chief/draft argument	MR	6.0	
20170505	Meet with Mark, Intervenor meeting, Nuclear liabilities analysis, Many emails, Prepare argument template, Complete AIC review	JCS		6.3
20170505	draft argument/disc w JCS/conference call w intervenors/emails	MR	5.2	
20170507	Drafting argument	JCS		0.8
20170508	Many emails, Nuclear liabilities analysis	JCS		0.5
20170509	Review material, Drafting argument, Many emails, Analysis of CCC material, Send referece to Wayne	JCS		4.4

20170510	Nuclear Liabilities, Many emails	JCS		2.0
20170510	review transcripts and make notes for argument drafting on nuclear ops	MR	1.2	
20170511	Analysis of expert issues, Many emails	JCS		2.3
20170511	draft argument	MR	4.0	
20170512	Drafting argument	JCS		4.0
20170512	draft argument	MR	4.5	
20170513	Drafting argument	JCS		3.7
20170513	emails/draft argument	MR	7.3	
20170514	Drafting argument	JCS		3.0
20170515	Many emails, Drafting argument and circulate	JCS		5.2
20170515	draft argument/emails	MR	0.2	
20170516	Drafting argument, Many emails, Meet with Mark	JCS		7.0
20170516	emails/review JCS nuclear liabilities arg/draft argument	MR	2.5	
20170517	Drafting argument, Review transcripts, Many emails	JCS		3.3
20170517	draft argument/disc w JCS/emails	MR	3.7	
20170518	Drafting argument, Many emails	JCS		5.0
20170518	draft argument/emails/p. call w R. Aiken	MR	5.3	
20170519	Many emails, Review additional materials	JCS		2.1
20170519	draft argument/disc w JCS/p. call w M. Millar/review staff submission/emails	MR	7.4	
20170520	Review staff submissions, Many emails, Revisions	JCS		6.3
20170520	emails/draft argument	MR	3.4	
20170521	Review staff submissions, Many emails, Revisions	JCS		7.0
20170521	draft argument	MR	2.6	
20170522	Many emails, Review Mark's drafts, Review material from others, Drafting	JCS		3.4
20170523	Many emails, Drafting argument	JCS		4.8
20170523	emails/disc w JCS	MR	0.3	
20170524	Drafting argument, Many emails	JCS		6.6
20170524	edit argument/disc w JCS/draft nuclear ROE variance account and common costs/emails	MR	8.5	
20170525	Drafting argument, Reviewing material from others, Meet with Mark, Many emails	JCS		8.4
20170525	edit and revise argument/email/disc w JCS/review other parties drafts	MR	9.2	
20170526	Drafting and revising, Review drafts from others, Many emails	JCS		8.3
20170526	emails/edit and revise argument/disc w JCS/review draft of other parties	MR	2.5	
20170527	Drafting and revising, Review drafts from others, References, Many emails	JCS		7.6
20170528	Drafting, Revising and finalizing final argument, Many emails	JCS		13.1

20170528	final review and edit/prepare formatting and finalize footnotes/emails	MR	3.7	
20170529	Finalize spreadsheets, Review final arguments of others, Many emails, Meet with Mark	JCS		3.0
20170529	review additional JCS edit/prepare redactions/finalize/emails/review other parties arguments	MR	5.5	
			588.7	595.4

Mark	100,079.00
Jay	196,482.00
Sub	296,561.00
HST	38,552.93
Total to May 29th	335,113.93

Time Prior to Filing	10.6	14.1
	1802	4653
		6455

EB-2016-0152

OFG-2017-2021
 EB-2016-0152

Moderator Mark Rubenstein	Tel # 416-483-3300	Customer # 1614595	Contact Saba Parkar	Tel # 416-483-3300			
Date / Time 3/30/16 1:02 PM	Reservation # 1000481128	Billing Reference N/A	Reserved Lines 200	Used Lines 3			
			Service Type Reservationless	Reserved Minutes N/A			
Conference Connection							
Participant	Start	End	Duration	Description	Service	Long Distance / Toll Free	Amount
4164833300	1:06:22 PM	3:44:22 PM	02:38:00	Toll-Free (North America)	\$67.94	\$31.60	\$99.54
6132375160	1:02:24 PM	3:28:24 PM	02:26:00	Toll-Free (North America)	\$62.78	\$29.20	\$91.98
Participant	1:07:06 PM	3:04:06 PM	01:57:00	Local	\$50.31	\$0.00	\$50.31
				Sub-Total	\$181.03	\$60.80	\$241.83
Other Charges							
Type	Description			Quantity	Amount		
				Sub-Total			
				Sub-Total Reservation #	1000481128		\$241.83
				HST - Ontario 869413443			\$31.44
				Grand-Total Reservation	1000481128		\$273.27



EB-2016-0152
CPE 2017-2021

Invoice 081055186

Account: 622786
Date: March 27, 2017

Bill To: Jay Shepherd Professional Corporation
Attn: Saba Parkar
2200 Yonge St Suite 1302
Toronto ON M4S 2C6

Ordered By: Saba Parkar
Phone: (+16) 483-3300
Customer PO:

Pick Up: SAME

TPH Account Hub:
View, reprint and pay invoices online.
www.tph.ca/tphaccounthub for more info.

Job Name: SEC OPG Panel

Item	1-Sided	2-Sided	Quantity	Description	HST	Job Price
A		58	25	B-W Document Double Sided & Staple	X	\$266.00
Digital B&W Prints: / Black Ink: / 8.5x11: / Staple: Corner/ Bond:						
B	1		1	File processing - pre-flight, virus scan, temp storage	X	\$3.90
/ File Handling:						

Branch Contact: Christina Stark
Address: 2200 Yonge Street
2nd Flr. - Concourse Level
Toronto, ON, M4S 2C6
Phone: 416-482-2260

Net Sales	\$269.90
Shipping	\$0.00
Sub Total	\$269.90
HST	\$35.09
CAD Total Price	\$304.99

EB-2016-0152
OPE

MARK-OPE

STAPLES Canada
Store # 26
250 Front Street East
Toronto, ON M5A1E9
416-368-3331

Sale 0C095 5 007 24828
002E 04/02/17 12:04

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\$1,000 STAPLES SHOPPING SPREE

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Expires: 04/09/2017

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1	TOTAL DOC SERV DIG		
	828187		2.00H
1280	BH(LTR)1000-9999		
	387167	0.05	64.00H
20	MACHINE STAPLING		
	381718	0.02	0.40H
Subtotal			36.40
HST 13.00%			8.63
Total			\$75.03
Visa			75.03

*****9940

Visa	C	Purchase
Authorization Number		029587
0010018320	24828	66173158
95	04/02/17	12:04:31
01/027 APPROVED - THANK YOU		
VISA		A0000000031010
0080008000 F800		

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