



Sent by Email

December 5, 2022

Ontario Energy Board
2300 Yonge Street
27th Floor
Toronto, ON M4P 1E4
Attention: Registrar

Dear Ms. Marconi:

**Re: EB-2021-0002 – Enbridge Multi-Year Demand Side Management Plan
(2022-2027) – SBUA Cost Claim**

We submit this letter together with the Small Business Utility Alliance (SBUA)'s claim to recover costs in this proceeding.

We respectfully submit that the overall costs claimed by SBUA are reasonable and should be reimbursed in full. We note the following in particular:

1. SBUA's participation

- a. This was SBUA's first intervention. It provided a unique perspective not otherwise covered by other interveners – that of small businesses – which are a large stakeholder in Enbridge's DSM programs, and yet had not previously been represented.
- b. SBUA's submissions, and the expert evidence that it submitted from Mr. Francis Wyatt and Mr. Theodore Love of Green Energy Economics Group, were taken into account by the Board. In particular, the Board ordered that Enbridge consider the following in its next DSM plan, in relation to the Commercial Program – Issue 10 (c): *“additional opportunities for the program offerings to evolve and reflect practical realities, including those faced by small businesses as highlighted by SBUA (...)”*

- c. SBUA's counsel, and Mr. Wyatt and Mr. Love participated actively in the whole proceeding by providing the perspective of small business, which, as stated above is not a perspective that is otherwise represented by other interveners. In our submission, SBUA (i) participated responsibly in the process, (ii) contributed to a better understanding by the Board of one or more of the issues in the process, (iii) complied with the Board's orders, and rules, codes, guidelines, filing requirements, among others, and (iv) made reasonable efforts to ensure that its participation in the process was not unduly repetitive.

2. Costs for Green Energy Economics Group

- a. The costs of Green Energy Economics Group exceed the estimated costs associated with their participation since they had to carry on different activities not foreseen at the time the initial estimate was prepared, including (a) preparing for and attending presentation day, (b) preparing for and attending the technical conference, (c) preparing responses to interrogatories; (d) preparing for and attending a longer hearing than anticipated; and (e) preparing responses to undertakings from the hearing.
- b. Moreover, the case required that Green Energy Economics Group conduct substantial research to understand the full details and context of Enbridge's DSM plan.
- c. The hours claimed in different categories such as "Technical Conference Preparation", Intervenor Evidence Preparation" and "Oral Hearing Preparation" also covered other activities such as communication with the client and other parties, activities required given the nature of the proceeding.

3. Costs for SBUA's legal counsel

- a. In addition to the comments set out above, we note by way of explanation that there was additional legal counsel for SBUA secured early in the process, which is why there are different counsel involved, but that we made every effort to ensure that there was no overlap and counsel did not play duplicative roles.
- b. The hours claimed in different categories as "Technical Conference Preparation", Intervenor Evidence Preparation" and "Oral Hearing Preparation" also covered other activities such as communication with the client and other parties, activities required given the nature of the proceeding.

4. Attachments:

According to the above, attached are the next documents:

- a. Invoice issued by E&E Law Corp to SBUA
- b. Invoice issued by Savoie Laporte LLP to SBUA
- c. Invoice issued by Green Energy Economics Group, Inc. to SBUA
- d. Savoie Laporte LLP time dockets
- e. E&E Law Corp's time dockets
- f. Green Energy Economics Group, Inc's time dockets
- g. Theodore Love's resume
- h. Francis Wyatt's resume
- i. Walden Kiker's resume
- j. Myriam Seer's resume

- k. Sebastian Melo's resume
- l. James Birkelund's resume

Yours truly,



Myriam Seers

cc. All parties in EB-2021-0002

EB-2021-0002 : 1 : Sebastian Melo

COST CLAIM NUMBER 907	SUBMISSION DEADLINE DATE December 05, 2022	CLAIM STATUS Approved by Finance
EB# EB-2021-0002: Rates: Policy-Related: Enbridge Gas Inc.	OTHER EB#S	PHASE #* 1
INTERVENOR Melo, Sebastian; +1 (416) 886-7154 sebastian.melo@savoielaporte.com	INTERVENOR COMPANY* Small Business Utility Alliance , Elora: Cooperative	INTERVENOR TYPE Unregistered
HST RATE ONTARIO 13.00	EXCHANGE RATE	COUNTRY Canada
HST NUMBER	LATE SUBMISSION ALLOWED No	EXTENSION DEADLINE DATE

PARTICIPANTS

				Participant
New	Non-Filing	Participant First, Last Name	Filing Participant	Total (\$) Claim Status
No		,	Melo, Sebastian; +1 (416) 886-7154 sebastian.melo@savoielaporte.com	7,664.79 Submitted
No		,	Love, Theo; +1 (919) 949-5906 tlove@greenenergyeconomics.com	51,629.14 Submitted
No		,	Seers, Myriam; +1 (416) 886-7154 myriam.seers@savoielaporte.com	24,184.26 Submitted
Yes	Walden	, Kiker		7,972.15 Submitted
No		,	Birkelund, James; +1 (415) 602-6223 james@birkelundlaw.com	7,178.35 Submitted
Yes	Francis	, Wyatt		99,750.78 Submitted

ATTACHMENTS

Attachment	Attachment Date	Participant	Document Type	Claim Type	Import Message
GEEG Invoice.pdf					
J Birkelund CV.pdf					
Savoie Invoice.pdf					
SBUA EB-2021-0002 Cost Claim 120520221054.pdf					
SBUA EB-2021-0002 Cost Claim 120520221039.pdf					
SBUA EB-2021-0002 Cost Claim 120520221044.pdf					
SBUA EB-2021-0002 Cost Claim 120520221047.pdf					
SBUA EB-2021-0002 Cost Claim 120520221824.pdf					
SBUA Cost Claim Cover Letter - EB-2021-0002.pdf			Cover Letter		

EB-2021-0002 : 1 : Sebastian Melo

COST CLAIM NUMBER 907	SUBMISSION DEADLINE DATE December 05, 2022	CLAIM STATUS Approved by Finance
EB# EB-2021-0002: Rates: Policy-Related: Enbridge Gas Inc.	OTHER EB#S	PHASE #* 1
INTERVENOR Melo, Sebastian; +1 (416) 886-7154 sebastian.melo@savoielaporte.com	INTERVENOR COMPANY* Small Business Utility Alliance , Elora: Cooperative	INTERVENOR TYPE Unregistered
HST RATE ONTARIO 13.00	EXCHANGE RATE	COUNTRY Canada
HST NUMBER	LATE SUBMISSION ALLOWED No	EXTENSION DEADLINE DATE

PARTICIPANTS

New	Non-Filing	Participant First, Last Name	Filing Participant	Total (\$)	Participant Claim Status
No		,	Melo, Sebastian; +1 (416) 886-7154 sebastian.melo@savoielaporte.com	7,664.79	Submitted
No		,	Love, Theo; +1 (919) 949-5906 tlove@greenenergyeconomics.com	51,629.14	Submitted
No		,	Seers, Myriam; +1 (416) 886-7154 myriam.seers@savoielaporte.com	24,184.26	Submitted
Yes	Walden	, Kiker		7,972.15	Submitted
No		,	Birkelund, James; +1 (415) 602-6223 james@birkelundlaw.com	7,178.35	Submitted
Yes	Francis	, Wyatt		99,750.78	Submitted
TOTAL LEGAL/CONSULTANT/OTHER FEES			TOTAL DISBURSEMENTS	TOTAL HST	
175,557.00			0.00	22,822.47	
TOTAL CLAIM			TOTAL AMOUNT AWARDED		
198,379.47					

REASON FOR DISALLOWANCE	REASON FOR DISALLOWANCE - 2	REASON FOR DISALLOWANCE - 3
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MAKE CHEQUE PAYABLE TO Myriam Seers Law Pc	
SEND PAYMENT TO ADDRESS 2 Grange Place Toronto ON M5T 1Z5	ATTENTION Myriam Seers

SUBMIT SECTION

I am a representative of the Party. I have examined all of the documentation in support of this cost claim. The costs incurred and time spent are directly related to the Party's participation in the OEB Process referred to above.

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 section 6.05 and 6.09 of the OEB's Practice Direction on Cost Awards.

The information (fees and disbursements) filed in this cost claim is complete and accurate and in accordance with the OEB's Practice Direction for Cost Awards and Appendix A, the Cost Awards Tariff.

SUBMITTED BY Small Business Utility Alliance	DATE SUBMITTED December 05, 2022
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Sebastian Melo

CASE EB-2021-0002: Rates: Policy-Related: Enbridge Gas Inc.	COST CLAIM EB-2021-0002 : 1 : Sebastian Melo	INTERVENOR NAME Melo, Sebastian; +1 (416) 886-7154 sebastian.melo@savoielaporte.co m	PARTICIPANT CLAIM STATUS Submitted
FILING PARTICIPANT Melo, Sebastian; +1 (416) 886-7154 sebastian.melo@savoielaporte.com	NEW PARTICIPANT No	NON-FILING PARTICIPANT F. NAME	NON-FILING PARTICIPANT L. NAME
SERVICE PROVIDER TYPE Legal Counsel	YEAR CALLED TO BAR 2017	COMPLETED YEARS PRACTICING/YEARS OF RELEVANT EXPERIENCE 5	HOURLY RATE 170
CV STATUS (FOR CONSULTANT/ANALYST) CV Attached	LAST CV DATE December 05, 2022		HST RATE CHARGED 13.00
HEARINGS Yes	CONSULTATIONS No	DISBURSEMENTS No	

HEARINGS

<u>Name</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Sub Total</u>	<u>HST Rate</u>	<u>HST</u>	<u>Total</u>
Review Application and Evidence						
Review Application and Evidence	5.50	170	935.00	13.00	121.55	1,056.55
Discovery						
Preparation of Interrogatories		170		13.00		
Review Interrogatory Responses		170		13.00		
Technical Conference Preparation		170		13.00		
Technical Conference Attendance		170		13.00		
Technical Conference Follow Up		170		13.00		
Issues List						
Preparation		170		13.00		
Attendance at Issues Conference		170		13.00		
Intervenor Evidence						
Preparation		170		13.00		
Interrogatory Responses		170		13.00		
Preparation of Witness(es) for Attendance at Hearing		170		13.00		
Settlement Conference / ADR						
Preparation		170		13.00		
Attendance		170		13.00		
Preparation of Settlement Proposal		170		13.00		
Attendance at Presentation to Panel		170		13.00		
Oral Hearing						
Preparation	7.90	170	1,343.00	13.00	174.59	1,517.59
Attendance at Oral Hearing	5.90	170	1,003.00	13.00	130.39	1,133.39
Submissions						
Written Submissions	17.60	170	2,992.00	13.00	388.96	3,380.96
Oral Submissions		170		13.00		
Attendance at Oral Submissions		170		13.00		
Other Attendance						
Other Attendance		170		13.00		
Communication						
With Client		170		13.00		
With Other Parties		170		13.00		
Motions						
Preparation of Motion(s) Materials		170		13.00		
Prepare Submissions on the Motion(s)		170		13.00		
Attendance at Hearing on Motion(s)		170		13.00		
Confidentiality						

Preparation of Application for Confidentiality		170		13.00		
Prepare Submissions on Confidentiality		170		13.00		
Attendance at Hearing on Confidentiality		170		13.00		
Decision						
Review	3.00	170	510.00	13.00	66.30	576.30
Rate Order						
Review		170		13.00		
Prepare Submission on Rate Order		170		13.00		
Total Service Provider Fees						
Total Service Provider Fees:			6,783.00		881.79	7,664.79

Attachments

<u>Attachment</u>	<u>Document Type</u>	<u>Import Message</u>
Sebastián Melo's resume.pdf	CV	
Savoie Laporte Time Docket.pdf	Time Docket	
Savoie Invoice.pdf	Invoice	

Hearings, Consultations, Disbursements Attachments

<u>Attachment</u>	<u>Related Disbursement Claim</u>	<u>Document Type</u>	<u>Claim Type</u>	<u>Import Message</u>
Sebastián Melo's resume.pdf		CV	Hearings	
Savoie Laporte Time Docket.pdf		Time Docket	Hearings	
Savoie Invoice.pdf		Invoice	Hearings	

Time Entries

Date	Status	Approval	Billable Task	Timekeeper	St	St	Duration	Rate	Amount
Small Business Utility Alliance									
<u>EB-2021-0002 Multi-Year Demand Side Management Plan (2022 to 2027)</u>									
Melo, Sebastian									
01-03-2022	Billed		Billable Administrative work	Melo, Sebastian			1.200	170.00	204.00
	Attending the OEB's hearing in the case EB-2021-0002								
02-03-2022	Billed		Billable Administrative work	Melo, Sebastian			1.000	170.00	170.00
	Attending the OEB's hearing in the case EB-2021-0002								
21-03-2022	Billed		Billable Administrative work	Melo, Sebastian			2.400	170.00	408.00
	Modifications Theo and Francis' presentation								
24-03-2022	Billed		Billable Administrative work	Melo, Sebastian			1.700	170.00	289.00
	Attending the OEB's hearing in the case EB-2021-0002								
09-05-2022	Billed		Billable Administrative work	Melo, Sebastian			0.400	170.00	68.00
	Call with Myriam regarding the SBUA final argument submission in case 2021-0002 before the Ontario Energy Board								
09-05-2022	Billed		Billable Administrative work	Melo, Sebastian			1.900	170.00	323.00
	Reading and understanding of Enbridge's final argument in case 2021-0002 before the Ontario Energy Board								
09-05-2022	Billed		Billable Administrative work	Melo, Sebastian			0.600	170.00	102.00
	Meeting with Theo and Francis about Enbridge's final argument in case 2021-0002 before the Ontario Energy Board								
09-05-2022	Billed		Billable Administrative work	Melo, Sebastian			2.200	170.00	374.00
	Reading and understanding of different documents, presentations, and submissions, related to the case 2021-0002 before the Ontario Energy Board								
10-05-2022	Billed		Billable Administrative work	Melo, Sebastian			4.900	170.00	833.00
	Drafting the SBUA-S final argument in case 2021-0002 before the Ontario Energy Board								
11-05-2022	Billed		Billable Administrative work	Melo, Sebastian			1.200	170.00	204.00
	Drafting the SBUA-S final argument in case 2021-0002 before the Ontario Energy Board								
16-05-2022	Billed		Billable Administrative work	Melo, Sebastian			3.800	170.00	646.00
	Drafting the SBUA'S final argument in case 2021-0002 before the Ontario Energy Board								

17-05-2022	Billed	Billable Administrative work	Melo, Sebastien	0.900	170.00	153.00
		Reading and analysis of SEC's final argument in case 2021-0002 before the Ontario Energy Board to incorporate in SBUA's final				
18-05-2022	Billed	Billable Administrative work	Melo, Sebastien	3.300	170.00	561.00
		Drafting the SBUA'S final argument in case 2021-0002 before the Ontario Energy Board, including corrections in footnotes				
19-05-2022	Billed	Billable Administrative work	Melo, Sebastien	1.500	170.00	255.00
		Drafting the SBUA'S final argument in case 2021-0002 before the Ontario Energy Board, including corrections in footnotes				
01-06-2022	Billed	Billable Administrative work	Melo, Sebastien	0.500	170.00	85.00
		Reading and elaboration of the report regarding EB-2021-0002 - OEB Staff Submission				
22-06-2022	Billed	Billable Administrative work	Melo, Sebastien	0.500	170.00	85.00
		Review of proceedings before the Ontario Energy Board				
28-06-2022	Billed	Billable Administrative work	Melo, Sebastien	0.400	170.00	68.00
		Review of cases before the OEB to determine deadlines				
06-09-2022	Billed	Billable Administrative work	Melo, Sebastien	1.000	170.00	170.00
		Drafting of confidentiality agreements within the EB-2021-0002 procedure in order to have access to the information submitted by				
09-09-2022	Billed	Billable Administrative work	Melo, Sebastien	0.600	170.00	102.00
		Filing of the confidentiality commitments in case EB-2021-0002 as well as preparation of the confidentiality commitment on my be				
14-11-2022	Billed	Billable Administrative work	Melo, Sebastien	0.500	170.00	85.00
		Confidentiality agreements for the EB-2021-0002 procedure				
15-11-2022	Billed	Billable Administrative work	Melo, Sebastien	3.200	170.00	544.00
		EB-2021-0002 Enbridge Gas Inc. - Read decision, sent emails regarding decision, requested hours and reviewed guidelines for fi				
24-11-2022	Billed	Billable Administrative work	Melo, Sebastien	0.700	170.00	119.00
		HST SBUA problem review, tax rates and how to proceed with cost claim - EB-2021-0002				
28-11-2022	Billed	Billable Administrative work	Melo, Sebastien	2.000	170.00	340.00
		Revision of cost claim EB-2021-0002 and completion of Myriam's time table as requested by the OEB				
29-11-2022	Billed	Billable Administrative work	Melo, Sebastien	0.500	170.00	85.00
		EB-2021-0002 Enbridge, sending of information on HST and coordination of information by Theo and Francis				
30-11-2022	Billed	Billable Administrative work	Melo, Sebastien	3.000	170.00	510.00
		EB-2021-0002 - Review of information submitted by Theo and Francis, as well as information submitted by Beate for the filing of c				
				Timekeeper Total	39.900	6,783.00
Seers, Myriam						
14-09-2021	Approved	Billable	Seers, Myriam	1.000	290.00	290.00
		Call with James Birkelund and Daniel Elbady; reviewing application				

20-09-2021	Approved	Billable	Seers, Myriam	0.500	290.00	145.00
	Call with James Birkelund re strategy for intervention					
04-10-2021	Approved	Billable	Seers, Myriam	2.100	290.00	609.00
	Reviewing Enbridge evidence; reviewing procedural orders; reviewing letter from OEB regarding expert evidence; reviewing letter					
12-10-2021	Approved	Billable	Seers, Myriam	0.300	290.00	87.00
	emails with experts regarding costs of answering interrogatories and attending hearings; letter to OEB re same;					
21-10-2021	Approved	Billable	Seers, Myriam	4.500	290.00	1,305.00
	Reviewing Enbridge evidence; drafting interrogatories; emails with experts re interrogatories; finalizing letter regarding SBUA man					
22-10-2021	Approved	Billable	Seers, Myriam	2.500	290.00	725.00
	Finalizing interrogatories; OEB decision re expert evidence; planning expert evidence					
26-10-2021	Approved	Billable	Seers, Myriam	0.500	290.00	145.00
	Emails with experts re coordination; emails with Kent Elson re extension request					
27-10-2021	Approved	Billable	Seers, Myriam	1.000	290.00	290.00
	Call with experts to plan expert evidence;					
03-11-2021	Approved	Billable	Seers, Myriam	0.300	290.00	87.00
	reviewing Procedural Order No. 3; email discussions with experts regarding expert evidence;					
15-11-2021	Approved	Billable	Seers, Myriam	0.300	290.00	87.00
	Brief review of interrogatories; emails regarding interrogatories and expert report					
18-11-2021	Approved	Billable	Seers, Myriam	1.800	290.00	522.00
	Reviewing interrogatories; call with experts to plan evidence					
29-11-2021	Approved	Billable	Seers, Myriam	1.000	290.00	290.00
	Reviewing draft expert evidence;					
01-12-2021	Approved	Billable	Seers, Myriam	2.500	290.00	725.00
	Reviewing and revising draft expert report; attending to filing expert report					
14-12-2021	Approved	Billable	Seers, Myriam	0.200	290.00	58.00
	Reviewing Procedural Order No. 6; related emails with experts and client					
16-12-2021	Approved	Billable	Seers, Myriam	0.300	290.00	87.00
	Review interrogatory responses					
10-01-2022	Billed	Billable	Seers, Myriam	0.200	290.00	58.00
	Emails with experts and client re interrogatories					
11-01-2022	Billed	Billable	Seers, Myriam	0.500	290.00	145.00
	Emails re interrogatories					
19-01-2022	Billed	Billable	Seers, Myriam	2.200	290.00	638.00
	Revising and filing interrogatory responses; emails with experts re same					
04-02-2022	Billed	Billable	Seers, Myriam	0.600	290.00	174.00

	Call with experts to prepare for next steps in the proceeding					
25-02-2022	Billed	Billable	Seers, Myriam	1.400	290.00	406.00
	Prepare for technical conference; call with expert witnesses					
28-02-2022	Billed	Billable	Seers, Myriam	1.000	290.00	290.00
	Prepare for technical conference					
01-03-2022	Billed	Billable	Seers, Myriam	3.500	290.00	1,015.00
	Prepare for and attend technical conference					
02-03-2022	Billed	Billable	Seers, Myriam	7.500	290.00	2,175.00
	Prepare for and attend technical conference					
11-03-2022	Billed	Billable	Seers, Myriam	0.200	290.00	58.00
	Emails with experts regarding undertaking					
14-03-2022	Billed	Billable	Seers, Myriam	0.500	290.00	145.00
	Call with experts re undertaking					
16-03-2022	Billed	Billable	Seers, Myriam	0.300	290.00	87.00
	Emails with experts and board re undertaking					
17-03-2022	Billed	Billable	Seers, Myriam	0.500	290.00	145.00
	Finalizing response to undertaking; emails with experts re same; email to Board and parties					
20-03-2022	Billed	Billable	Seers, Myriam	1.400	290.00	406.00
	Reviewing Enbridge undertaking; reviewing draft GEEG presentation; call with experts re draft presentation					
21-03-2022	Billed	Billable	Seers, Myriam	0.500	290.00	145.00
	Finalizing expert presentation					
21-03-2022	Billed	Billable	Seers, Myriam	0.500	290.00	145.00
	Finalizing presentation					
24-03-2022	Billed	Billable	Seers, Myriam	2.500	290.00	725.00
	Preparing for and attending presentation day					
28-03-2022	Billed	Billable	Seers, Myriam	2.500	290.00	725.00
	Attending oral hearing					
29-03-2022	Billed	Billable	Seers, Myriam	2.900	290.00	841.00
	Preparing for and attending oral hearing, including discussions with expert witnesses					
29-03-2022	Billed	Billable	Seers, Myriam	5.300	290.00	1,537.00
	prepare for and attend hearing					
31-03-2022	Billed	Billable	Seers, Myriam	1.500	290.00	435.00
	Attending hearing; multiple discussions with expert witnesses; preparing for cross-examination					
31-03-2022	Billed	Billable	Seers, Myriam	1.500	290.00	435.00
	Attending hearing; preparing for cross-examination of GEEG					
01-04-2022	Billed	Billable	Seers, Myriam	4.500	290.00	1,305.00
	Preparing for and attending hearing					
01-04-2022	Billed	Billable	Seers, Myriam	6.500	290.00	1,885.00
	Preparing for and attending hearing					
04-04-2022	Billed	Billable	Seers, Myriam	0.200	290.00	58.00

	emails with Michael Brophy re final arguments					
19-04-2022	Billed	Billable	Seers, Myriam	0.200	290.00	58.00
	Reviewing letter from OEB regarding next steps in the proceeding					
13-05-2022	Billed	Billable	Seers, Myriam	2.500	290.00	725.00
	preparing final submission					
18-05-2022	Billed	Billable	Seers, Myriam	1.600	290.00	464.00
	Preparing final submission					
19-05-2022	Billed	Billable	Seers, Myriam	2.500	290.00	725.00
	Finalizing and filing final argument					
				Timekeeper Total	73.800	21,402.00
				Case Total	113.700	28,185.00
				Client Total	113.700	28,185.00
				Grand Total	113.700	28,185.00

02-12-2022 15:52:33

Sebastián Melo

Sebastián is associate of Savoie Laporte.

He focuses his practice on foreign investment protection law and international arbitration. He has experience advising Canadian companies with mining and other types of projects in Latin America and elsewhere with respect to foreign investment protections and representing them in investor-state arbitrations, including before the International Centre for the Settlement of Investment Disputes (ICSID).

He has more than five years of experience representing different international companies before international and domestic (Colombian) arbitral tribunals. Since 2019, he has been on the Arbitral Tribunal Secretaries Roster of the Bogotá's Chamber of Commerce Arbitration and Conciliation Center and has acted as arbitral tribunal secretary in more than ten cases.

He is a lawyer admitted to practice in Colombia, has postgraduate studies in commercial law, completed a specialized course for Arbitral Tribunal Secretaries, and is currently pursuing studies in Global Business Management.

Before joining the firm, Sebastián was an associate at a Colombian firm where he focused his practice on commercial litigation in different jurisdictions and sectors, especially in the mining and energy sector. In 2016, he was a semifinalist in the Inter-American Human Rights Competition at the American University – Washington College of Law.

Sebastián is fluent in English and Spanish.

Theo Love

CASE EB-2021-0002: Rates: Policy-Related: Enbridge Gas Inc.	COST CLAIM EB-2021-0002 : 1 : Sebastian Melo	INTERVENOR NAME Melo, Sebastian; +1 (416) 886-7154 sebastian.melo@savoielaporte.co m	PARTICIPANT CLAIM STATUS Submitted
FILING PARTICIPANT Love, Theo; +1 (919) 949-5906 tlove@greenenergyeconomics.com	NEW PARTICIPANT No	NON-FILING PARTICIPANT F. NAME	NON-FILING PARTICIPANT L. NAME
SERVICE PROVIDER TYPE Consultant	YEAR CALLED TO BAR	COMPLETED YEARS PRACTICING/YEARS OF RELEVANT EXPERIENCE 15	HOURLY RATE 290
CV STATUS (FOR CONSULTANT/ANALYST) CV Attached	LAST CV DATE December 05, 2022		HST RATE CHARGED 13.00
HEARINGS Yes	CONSULTATIONS No	DISBURSEMENTS No	

HEARINGS

<u>Name</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Sub Total</u>	<u>HST Rate</u>	<u>HST</u>	<u>Total</u>
Review Application and Evidence						
Review Application and Evidence	9.40	290	2,726.00	13.00	354.38	3,080.38
Discovery						
Preparation of Interrogatories		290		13.00		
Review Interrogatory Responses		290		13.00		
Technical Conference Preparation	3.50	290	1,015.00	13.00	131.95	1,146.95
Technical Conference Attendance	17.00	290	4,930.00	13.00	640.90	5,570.90
Technical Conference Follow Up	13.50	290	3,915.00	13.00	508.95	4,423.95
Issues List						
Preparation	1.50	290	435.00	13.00	56.55	491.55
Attendance at Issues Conference		290		13.00		
Intervenor Evidence						
Preparation	54.40	290	15,776.00	13.00	2,050.88	17,826.88
Interrogatory Responses	14.50	290	4,205.00	13.00	546.65	4,751.65
Preparation of Witness(es) for Attendance at Hearing		290		13.00		
Settlement Conference / ADR						
Preparation		290		13.00		
Attendance		290		13.00		
Preparation of Settlement Proposal		290		13.00		
Attendance at Presentation to Panel		290		13.00		
Oral Hearing						
Preparation	14.25	290	4,132.50	13.00	537.23	4,669.73
Attendance at Oral Hearing	29.50	290	8,555.00	13.00	1,112.15	9,667.15
Submissions						
Written Submissions		290		13.00		
Oral Submissions		290		13.00		
Attendance at Oral Submissions		290		13.00		
Other Attendance						
Other Attendance		290		13.00		
Communication						
With Client		290		13.00		
With Other Parties		290		13.00		
Motions						
Preparation of Motion(s) Materials		290		13.00		
Prepare Submissions on the Motion(s)		290		13.00		
Attendance at Hearing on Motion(s)		290		13.00		
Confidentiality						

Preparation of Application for Confidentiality	290	13.00	
Prepare Submissions on Confidentiality	290	13.00	
Attendance at Hearing on Confidentiality	290	13.00	
Decision			
Review	290	13.00	
Rate Order			
Review	290	13.00	
Prepare Submission on Rate Order	290	13.00	
Total Service Provider Fees			
Total Service Provider Fees:	45,689.50	5,939.64	51,629.14

Attachments

<u>Attachment</u>	<u>Document Type</u>	<u>Import Message</u>
Theodore Love's resume.pdf	CV	
Green Energy Economics Group, Inc's time dockets.pdf	Time Docket	
GEEG Invoice.pdf	Invoice	

Hearings, Consultations, Disbursements Attachments

<u>Attachment</u>	<u>Related Disbursement Claim</u>	<u>Document Type</u>	<u>Claim Type</u>	<u>Import Message</u>
Theodore Love's resume.pdf		CV	Hearings	
Green Energy Economics Group, Inc's time dockets.pdf		Time Docket	Hearings	
GEEG Invoice.pdf		Invoice	Hearings	

Budgets

CAD	USD	
\$ 30,000	\$ 22,500	Preparing Evidence
\$ 18,000	\$ 13,500	Interrogatories, Technical Conference, Oral hearings
\$ 48,000	\$ 36,000	Total
USD/CAD	0.75	

Total								
Hours Spent								
Row Labels	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Grand Total	
Grand Total	130.0	148.0	21.0	64.0	105.3	61.8	466.6	
2021	130.0	148.0	21.0	-	-	-	235.6	
Jun	4.5	-	-	-	-	-	4.5	
Jul	21.3	-	-	-	-	-	21.3	
Aug	53.5	-	-	-	-	-	53.5	
Sep	6.7	-	-	-	-	-	6.7	
Oct	8.5	9.0	-	-	-	-	17.5	
Nov	2.3	110.4	-	-	-	-	112.6	
Dec	-	9.0	10.5	-	-	-	19.5	
2022	-	-	-	64.0	105.3	61.8	231.0	
Jan	-	-	-	63.5	-	-	63.5	
Feb	-	-	-	0.5	17.0	-	17.5	
Mar	-	-	-	-	88.3	49.3	137.5	
Apr	-	-	-	-	-	12.5	12.5	

Francis Wyatt							
Rate (CAD) \$ 330							
Hours Spent							
Row Labels	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total
Grand Total	44.3	74.0	10.5	49.0	57.5	32.3	267.5
2021	44.3	74.0	10.5	-	-	-	128.8
Jun	2.5	-	-	-	-	-	2.5
Jul	20.3	-	-	-	-	-	20.3
Aug	6.3	-	-	-	-	-	6.3
Sep	4.5	-	-	-	-	-	4.5
Oct	8.5	-	-	-	-	-	8.5
Nov	2.3	67.0	-	-	-	-	69.3
Dec	-	7.0	10.5	-	-	-	17.5
2022	-	-	-	49.0	57.5	32.3	138.8
Jan	-	-	-	49.0	-	-	49.0
Feb	-	-	-	-	11.3	-	11.3
Mar	-	-	-	-	46.3	25.8	72.0
Apr	-	-	-	-	-	6.5	6.5

Theo Love							
Rate (CAD) \$ 290							
Hours Spent							
Row Labels	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total
Grand Total	44.3	74.0	10.5	15.0	47.8	29.5	157.6
2021	44.3	74.0	10.5	-	-	-	65.3
Jun	2.0	-	-	-	-	-	2.0
Jul	1.0	-	-	-	-	-	1.0
Aug	5.8	-	-	-	-	-	5.8
Sep	2.2	-	-	-	-	-	2.2
Oct	-	9.0	-	-	-	-	9.0
Nov	-	43.4	-	-	-	-	43.4
Dec	-	2.0	-	-	-	-	2.0
2022	-	-	-	15.0	47.8	29.5	92.3
Jan	-	-	-	14.5	-	-	14.5
Feb	-	-	-	0.5	5.8	-	6.3
Mar	-	-	-	-	42.0	23.5	65.5
Apr	-	-	-	-	-	6.0	6.0

Total								
CAD\$								
Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Grand Total		
\$ 34,490	\$ 45,880	\$ 6,510	\$ 20,520	\$ 32,823	\$ 19,198	\$ 141,020		
\$ 34,490	\$ 45,880	\$ 6,510	\$ -	\$ -	\$ -	\$ 68,480		
\$ 1,405	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,405		
\$ 6,973	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,973		
\$ 10,785	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,785		
\$ 2,113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,113		
\$ 2,805	\$ 2,610	\$ -	\$ -	\$ -	\$ -	\$ 5,415		
\$ 743	\$ 34,691	\$ -	\$ -	\$ -	\$ -	\$ 35,434		
\$ -	\$ 2,890	\$ 3,465	\$ -	\$ -	\$ -	\$ 6,355		
\$ -	\$ -	\$ -	\$ 20,520	\$ 32,823	\$ 19,198	\$ 72,540		
\$ -	\$ -	\$ -	\$ 20,375	\$ -	\$ -	\$ 20,375		
\$ -	\$ 0.5	\$ -	\$ 145	\$ 5,380	\$ -	\$ 5,525		
\$ -	\$ -	\$ -	\$ -	\$ 27,443	\$ 15,313	\$ 42,755		
\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,885	\$ 3,885		

Francis Wyatt							
Rate (CAD) \$ 330							
Hours Spent							
Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total	
\$ 14,603	\$ 24,420	\$ 3,465	\$ 16,170	\$ 18,975	\$ 10,643	\$ 88,275	
\$ 14,603	\$ 24,420	\$ 3,465	\$ -	\$ -	\$ -	\$ 42,488	
\$ 825	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 825	
\$ 6,683	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,683	
\$ 2,063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,063	
\$ 1,485	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,485	
\$ 2,805	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,805	
\$ 743	\$ 22,110	\$ -	\$ -	\$ -	\$ -	\$ 22,853	
\$ -	\$ 2,310	\$ 3,465	\$ -	\$ -	\$ -	\$ 5,775	
\$ -	\$ -	\$ -	\$ 16,170	\$ 18,975	\$ 10,643	\$ 45,788	
\$ -	\$ -	\$ -	\$ 16,170	\$ -	\$ -	\$ 16,170	
\$ -	\$ -	\$ -	\$ -	\$ 3,713	\$ -	\$ 3,713	
\$ -	\$ -	\$ -	\$ -	\$ 15,263	\$ 8,498	\$ 23,760	
\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,145	\$ 2,145	

Theo Love							
Rate (CAD) \$ 290							
Hours Spent							
Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total	
\$ 12,833	\$ 21,460	\$ 3,045	\$ 4,350	\$ 13,848	\$ 8,555	\$ 45,690	
\$ 12,833	\$ 21,460	\$ 3,045	\$ -	\$ -	\$ -	\$ 18,937	
\$ 580	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 580	
\$ 290	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 290	
\$ 1,668	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,668	
\$ 628	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 628	
\$ -	\$ 2,610	\$ -	\$ -	\$ -	\$ -	\$ 2,610	
\$ -	\$ 12,581	\$ -	\$ -	\$ -	\$ -	\$ 12,581	
\$ -	\$ 580	\$ -	\$ -	\$ -	\$ -	\$ 580	
\$ -	\$ -	\$ -	\$ 4,350	\$ 13,848	\$ 8,555	\$ 26,753	
\$ -	\$ -	\$ -	\$ 4,205	\$ -	\$ -	\$ 4,205	
\$ -	\$ -	\$ -	\$ 145	\$ 1,668	\$ -	\$ 1,813	
\$ -	\$ -	\$ -	\$ -	\$ 12,180	\$ 6,815	\$ 18,995	
\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,740	\$ 1,740	

Walden Kiker								Rate (CAD) \$ 170							
Hours Spent								CAD\$							
Row Labels	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total	
Grand Total	41.5						41.5	\$ 7,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,055	
2021	41.5						41.5	\$ 7,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,055	
Jun								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Jul								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Aug	41.5						41.5	\$ 7,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,055	
Sep								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Oct								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Nov								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Dec								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2022								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Jan								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Feb								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

Sum of Duration (hours)	Column Labels																				
Row Labels	Francis Wyatt	Interrogatories	Other Evidence Review	Preparing Evidence	Tech Conference	Hearings	Francis Wyatt Total	Theodore Love	Interrogatories	Preparing Evidence	Tech Conference	Hearings	Theodore Love Total	Walden Kiker	Walden Kiker Total	(blank)	(blank) Total	Grand Total			
<6/8/21	Initial Research							Initial Research						Initial Research							
2021	44.3		10.5	74.0			128.8	10.9		54.4			65.3	41.5	41.5			235.6			
Jun	2.5						2.5	2.0					2.0					4.5			
Jul	20.3						20.3	1.0					1.0					21.3			
Aug	6.3						6.3	5.8					5.8	41.5	41.5			53.5			
Sep	4.5						4.5	2.2					2.2					6.7			
Oct	8.5						8.5			9.0			9.0					17.5			
Nov	2.3			67.0			69.3			43.4			43.4					112.6			
Dec			10.5	7.0			17.5			2.0			2.0					19.5			
2022		49.0			57.5	32.3	138.8		15.0		47.8	29.5	92.3					231.0			
Jan		49.0					49.0		14.5				14.5					63.5			
Feb					11.3		11.3		0.5		5.8		6.3					17.5			
Mar					46.3	25.8	72.0				42.0	23.5	65.5					137.5			
Apr					6.5		6.5					6.0	6.0					12.5			
Grand Total	44.3	49.0	10.5	74.0	57.5	32.3	267.5	10.9	15.0	54.4	47.8	29.5	157.6	41.5	41.5			466.6			

Person	Date	Duration (hours)	Category	Phase	Description
Francis Wyatt	6/21/2021	0.25	1. Hours-Consultation	Initial Research	OEB order review.
Francis Wyatt	6/23/2021	0.25	1. Hours-Consultation	Initial Research	Review OEB procedural order.
Francis Wyatt	6/29/2021	2	1. Hours-Consultation	Initial Research	Review Enbridge filings and other docs.
Francis Wyatt	7/2/2021	5	1. Hours-Consultation	Initial Research	Review Enbridge filing and other docs. PO#1 response.
Francis Wyatt	7/9/2021	2	1. Hours-Consultation	Initial Research	Review Enbridge filing and draft issues.
Francis Wyatt	7/12/2021	3.75	1. Hours-Consultation	Initial Research	Draft issues. Review comments.
Francis Wyatt	7/13/2021	1.75	1. Hours-Consultation	Initial Research	Documents review.
Francis Wyatt	7/14/2021	1.5	1. Hours-Consultation	Initial Research	Document review.
Francis Wyatt	7/15/2021	2	1. Hours-Consultation	Initial Research	Document review.
Francis Wyatt	7/19/2021	0.25	1. Hours-Consultation	Initial Research	Review submittals.
Francis Wyatt	7/22/2021	0.25	1. Hours-Consultation	Initial Research	Review submittals.
Francis Wyatt	7/23/2021	0.25	1. Hours-Consultation	Initial Research	Submittal review.
Francis Wyatt	7/29/2021	2	1. Hours-Consultation	Initial Research	Review submittals and documents.
Francis Wyatt	7/30/2021	1.5	1. Hours-Consultation	Initial Research	Review submittals and documents.
Francis Wyatt	8/2/2021	0.25	1. Hours-Consultation	Initial Research	DSM analysis.
Francis Wyatt	8/3/2021	3	1. Hours-Consultation	Initial Research	Document review and analysis.
Francis Wyatt	8/6/2021	3	1. Hours-Consultation	Initial Research	Document review and analysis.
Francis Wyatt	9/9/2021	0.5	1. Hours-Consultation	Initial Research	Review OEB decision and issues list.
Francis Wyatt	9/13/2021	0.75	1. Hours-Consultation	Initial Research	Call to discuss.
Francis Wyatt	9/15/2021	0.5	1. Hours-Consultation	Initial Research	Review OEB staff evidence description.
Francis Wyatt	9/16/2021	1.5	1. Hours-Consultation	Initial Research	Draft issues to be covered in evidence.
Francis Wyatt	9/17/2021	1	1. Hours-Consultation	Initial Research	Draft issues to be covered in evidence.
Francis Wyatt	9/30/2021	0.25	1. Hours-Consultation	Initial Research	Expert evidence.
Francis Wyatt	10/4/2021	0.5	1. Hours-Consultation	Initial Research	Expert evidence letter.
Francis Wyatt	10/21/2021	4.5	1. Hours-Consultation	Initial Research	Interrogatories to Enbridge.
Francis Wyatt	10/22/2021	1	1. Hours-Consultation	Initial Research	Interrogatories to Enbridge.
Francis Wyatt	10/27/2021	2.5	1. Hours-Consultation	Initial Research	Research and prep for evidence.
Francis Wyatt	11/3/2021	1.5	1. Hours-Consultation	Initial Research	Research for evidence.
Francis Wyatt	11/4/2021	0.75	1. Hours-Consultation	Initial Research	Call with OEB staff consultant Optimal Energy.
Francis Wyatt	11/8/2021	0.25	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/16/2021	1.5	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/18/2021	4	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/19/2021	6	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/22/2021	6.5	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/23/2021	6	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/24/2021	6.75	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/26/2021	7	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/28/2021	8	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/29/2021	10	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/30/2021	11	1. Hours-Consultation	Preparing Evidence	Evidence Preparation.
Francis Wyatt	12/1/2021	7	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	12/2/2021	1	1. Hours-Consultation	Other Evidence Review	Review other parties' evidence.
Francis Wyatt	12/7/2021	1	1. Hours-Consultation	Other Evidence Review	Review other parties evidence.
Francis Wyatt	12/13/2021	2.5	1. Hours-Consultation	Other Evidence Review	Review evidence
Francis Wyatt	12/14/2021	0.5	1. Hours-Consultation	Other Evidence Review	Review filings.
Francis Wyatt	12/15/2021	0.5	1. Hours-Consultation	Other Evidence Review	Review filings for interrogatories.
Francis Wyatt	12/29/2021	2	1. Hours-Consultation	Other Evidence Review	Review and organize interrogatories.
Francis Wyatt	12/31/2021	3	1. Hours-Consultation	Other Evidence Review	Review and organize interrogatories.
Francis Wyatt	1/3/2022	1	1. Hours-Consultation	Interrogatories	IR review.
Francis Wyatt	1/5/2022	2.75	1. Hours-Consultation	Interrogatories	IR review.
Francis Wyatt	1/6/2022	3	1. Hours-Consultation	Interrogatories	IR review and summary.
Francis Wyatt	1/7/2022	2	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/10/2022	4.25	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/11/2022	6	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/12/2022	4.25	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/13/2022	6.5	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/14/2022	4.5	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/17/2022	7.5	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/18/2022	6	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/19/2022	1.25	1. Hours-Consultation	Interrogatories	IR responses.
Theodore Love	6/8/2021	1	1. Hours-Consultation	Initial Research	Strategy call with counsel.
Theodore Love	6/29/2021	1	1. Hours-Consultation	Initial Research	Strategy discussion and examination of issues.
Theodore Love	7/21/2021	0.75	1. Hours-Consultation	Initial Research	Reviewing reply responses to issues list comments.
Theodore Love	7/23/2021	0.25	1. Hours-Consultation	Initial Research	Reviewing response comments.
Theodore Love	8/2/2021	0.75	1. Hours-Consultation	Initial Research	Enbridge Historical DSM Data review.
Theodore Love	8/9/2021	2.5	1. Hours-Consultation	Initial Research	REviewing historical small business programs.
Theodore Love	8/10/2021	1.25	1. Hours-Consultation	Initial Research	Reviewing historical costs and savings with analyst
Theodore Love	8/11/2021	0.5	1. Hours-Consultation	Initial Research	Meeting reviewing comparison of past performance to projections
Theodore Love	8/17/2021	0.5	1. Hours-Consultation	Initial Research	Reviewing historical spending and savings.

Theodore Love	8/26/2021	0.25	1. Hours-Consultation	Initial Research	Reviewing board order.
Theodore Love	9/13/2021	0.6667	1. Hours-Consultation	Initial Research	Strategy call with Myriam, James
Theodore Love	9/15/2021	1	1. Hours-Consultation	Initial Research	Reviewing issues and generating scope of investigation.
Theodore Love	9/17/2021	0.5	1. Hours-Consultation	Initial Research	Drafting issues list to address.
Theodore Love	10/14/2021	1	1. Hours-Consultation	Preparing Evidence	Reviewing Best practices on SMB Gas programs.
Theodore Love	10/18/2021	0.5	1. Hours-Consultation	Preparing Evidence	Reviewing SMB best practices in MA
Theodore Love	10/19/2021	1.25	1. Hours-Consultation	Preparing Evidence	Reviewing MA plan and evaluations
Theodore Love	10/21/2021	1.25	1. Hours-Consultation	Preparing Evidence	Reviewing MI and MN data
Theodore Love	10/22/2021	1.5	1. Hours-Consultation	Preparing Evidence	Reviewing interrogatories for relevant questions
Theodore Love	10/25/2021	0.5	1. Hours-Consultation	Preparing Evidence	Researching Gas best practices for small businesses.
Theodore Love	10/26/2021	0.5	1. Hours-Consultation	Preparing Evidence	Reviewing data collection
Theodore Love	10/27/2021	2.5	1. Hours-Consultation	Preparing Evidence	Developing outline for evidence. Call with counsel.
Theodore Love	11/1/2021	1.25	1. Hours-Consultation	Preparing Evidence	Research on MI and MN best practices.
Theodore Love	11/4/2021	1.5	1. Hours-Consultation	Preparing Evidence	Preparing evidence on SMB best practices.
Theodore Love	11/10/2021	0.75	1. Hours-Consultation	Preparing Evidence	Guiding research on SMEs in Ontario
Theodore Love	11/12/2021	1	1. Hours-Consultation	Preparing Evidence	Drafting evidence on SMB energy usage
Theodore Love	11/16/2021	1.1333	1. Hours-Consultation	Preparing Evidence	Preparing evidence and reviewing IR Responses.
Theodore Love	11/17/2021	2	1. Hours-Consultation	Preparing Evidence	preparing evidence.
Theodore Love	11/18/2021	2	1. Hours-Consultation	Preparing Evidence	Preparing evidence. meeting with counsel
Theodore Love	11/19/2021	0.75	1. Hours-Consultation	Preparing Evidence	Reviewing interrogatory responses.
Theodore Love	11/22/2021	9	1. Hours-Consultation	Preparing Evidence	Preparing evidence. Developing comparison tables.
Theodore Love	11/23/2021	4	1. Hours-Consultation	Preparing Evidence	Preparing comparison data for evidence.
Theodore Love	11/24/2021	0.25	1. Hours-Consultation	Preparing Evidence	Research check-in
Theodore Love	11/28/2021	10.25	1. Hours-Consultation	Preparing Evidence	Gathering comparison data.
Theodore Love	11/29/2021	4.5	1. Hours-Consultation	Preparing Evidence	Reviewing evidence draft
Theodore Love	11/30/2021	5	1. Hours-Consultation	Preparing Evidence	Drafting evidence.
Theodore Love	12/1/2021	2	1. Hours-Consultation	Preparing Evidence	Finalizing evidence for filing.
Theodore Love	1/11/2022	1.5	1. Hours-Consultation	Interrogatories	interrogatory responses
Theodore Love	1/12/2022	1.25	1. Hours-Consultation	Interrogatories	IR responses.
Theodore Love	1/13/2022	2	1. Hours-Consultation	Interrogatories	Interrogatory response
Theodore Love	1/15/2022	7.5	1. Hours-Consultation	Interrogatories	Responding to IRs from OEB, PP, OFRI, and GPI
Theodore Love	1/18/2022	2.25	1. Hours-Consultation	Interrogatories	Responding to OEB IRs. Reviewing full IR responses.
Theodore Love	2/4/2022	0.5	1. Hours-Consultation	Interrogatories	Meeting with attorney on tech conference prep.
Walden Kiker	8/2/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/2/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/3/2021	1	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/4/2021	3	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/9/2021	0.5	1. Hours-Consultation	Initial Research	Meeting
Walden Kiker	8/9/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/9/2021	3	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/10/2021	1	1. Hours-Consultation	Initial Research	Meeting
Walden Kiker	8/10/2021	1.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/10/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/11/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/11/2021	0.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/11/2021	3.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/16/2021	2.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/16/2021	2.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/17/2021	3	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/18/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/18/2021	1	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/19/2021	3.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/20/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/23/2021	1	1. Hours-Consultation	Initial Research	EGI SBUA Review
Francis Wyatt	2/22/2022	0.5	1. Hours-Consultation	Tech Conference	Prep for Tech Conference.
Francis Wyatt	2/25/2022	3.5	1. Hours-Consultation	Tech Conference	Test Tech Conf. Prep for Tech Conf.
Francis Wyatt	2/28/2022	7.25	1. Hours-Consultation	Tech Conference	Prep for Tech Conference. Attend Tech Conference.
Francis Wyatt	3/1/2022	7	1. Hours-Consultation	Tech Conference	Prep for and attend Tech Conference
Francis Wyatt	3/2/2022	7	1. Hours-Consultation	Tech Conference	Prep for and attend Tech Conference.
Francis Wyatt	3/11/2022	4.5	1. Hours-Consultation	Tech Conference	Undertaking analysis.
Francis Wyatt	3/14/2022	2.5	1. Hours-Consultation	Tech Conference	Undertaking analysis.
Francis Wyatt	3/16/2022	7.5	1. Hours-Consultation	Tech Conference	Undertaking analysis and writeup.
Francis Wyatt	3/17/2022	5.75	1. Hours-Consultation	Tech Conference	Undertaking analysis and writeup.
Francis Wyatt	3/18/2022	1.5	1. Hours-Consultation	Tech Conference	Review undertakings. Presentation.
Francis Wyatt	3/19/2022	1.5	1. Hours-Consultation	Tech Conference	Review undertakings. Presentation.
Francis Wyatt	3/20/2022	2.25	1. Hours-Consultation	Tech Conference	Review undertakings. Presentation.
Francis Wyatt	3/21/2022	2.25	1. Hours-Consultation	Tech Conference	Presentation preparation. Review other presentations.
Francis Wyatt	3/24/2022	4.5	1. Hours-Consultation	Tech Conference	Presentation prep., View other presentations, Present.
Francis Wyatt	3/25/2022	2.75	1. Hours-Hearings	Hearings	Prepare for oral hearings.
Francis Wyatt	3/28/2022	6.25	1. Hours-Hearings	Hearings	Oral Hearings.

Francis Wyatt	3/29/2022	6 1. Hours-Hearings	Hearings	Oral Hearings.
Francis Wyatt	3/30/2022	4.25 1. Hours-Hearings	Hearings	Oral Hearings.
Francis Wyatt	3/31/2022	6.5 1. Hours-Hearings	Hearings	Oral Hearings.
Francis Wyatt	4/1/2022	6.5 1. Hours-Hearings	Hearings	Oral Hearings.
Theodore Love	2/25/2022	0.75 1. Hours-Consultation	Tech Conference	Prep for technical hearings.
Theodore Love	2/28/2022	5 1. Hours-Consultation	Tech Conference	Attending Technical Conference
Theodore Love	3/1/2022	2.25 1. Hours-Consultation	Tech Conference	Technical Conference preparation
Theodore Love	3/1/2022	5 1. Hours-Consultation	Tech Conference	Attending technical conference.
Theodore Love	3/2/2022	7 1. Hours-Consultation	Tech Conference	Attending technical Conference.
Theodore Love	3/11/2022	1 1. Hours-Consultation	Tech Conference	Undertaking analysis
Theodore Love	3/14/2022	3 1. Hours-Consultation	Tech Conference	Undertaking from technical conference.
Theodore Love	3/15/2022	4.25 1. Hours-Consultation	Tech Conference	Undertaking analysis.
Theodore Love	3/16/2022	3 1. Hours-Consultation	Tech Conference	Undertaking analysis.
Theodore Love	3/17/2022	2.25 1. Hours-Consultation	Tech Conference	Finalizing undertaking analysis
Theodore Love	3/18/2022	4.5 1. Hours-Consultation	Tech Conference	Preparing presentation for Presentation day .
Theodore Love	3/20/2022	3.75 1. Hours-Consultation	Tech Conference	Preparing presentation slides.
Theodore Love	3/21/2022	0.5 1. Hours-Consultation	Tech Conference	Finalizing presentation slides.
Theodore Love	3/23/2022	1 1. Hours-Consultation	Tech Conference	Practice for presentation
Theodore Love	3/24/2022	4.5 1. Hours-Consultation	Tech Conference	Attending and presenting at Presentation day.
Theodore Love	3/28/2022	5.75 1. Hours-Hearings	Hearings	Preparing for and attending hearings.
Theodore Love	3/29/2022	4.25 1. Hours-Hearings	Hearings	Attending hearings.
Theodore Love	3/30/2022	6.5 1. Hours-Hearings	Hearings	Attending hearings
Theodore Love	3/31/2022	7 1. Hours-Hearings	Hearings	Attending hearings.
Theodore Love	4/1/2022	6 1. Hours-Hearings	Hearings	Hearing preparation and attending hearings.

THEODORE M.
LOVE

2534 Downingsville Rd. | Lincoln, VT 05443
(919) 949 – 5906
tlove@greenenergyeconomics.com

Professional Experience

Green Energy Economics Group, Inc. – Cuttingsville, VT

<i>Partner</i>	2017 to Present
<i>Senior Associate and Data Scientist</i>	2013 to 2017
<i>Associate</i>	2010 to 2013
<i>Analyst</i>	2007 to 2010

For over 15 years, Theodore “Theo” Love has been providing economic-based insights into the design, analysis, and implementation of energy efficiency and distributed energy resource programs and portfolios in twelve states, three Canadian provinces, and China. He has a particular focus on EE/DER policy analysis, program design and implementation, cost-effectiveness testing, financing, and building scalable tools to analyze everything from individual projects to programs to portfolios.

Alter & Rosen, LLP –New York, NY

Consultant

Managed the development of an online database management system for musical copyrights and brought on board paying beta users. Managed data entry, reporting, termination and reversion issues for transactions involving musical copyright catalogues valued at over \$100 million.

AllianceBernstein LP –White Plains, NY

Client Reporting Analyst

Oversaw the monthly and quarterly report process for clients domiciled outside the United States. Increased by 150% the amount of accounts that met a fifth business day deadline. Transferred firm’s quarterly reporting process to new system.

Education

Clark University – Worcester, MA

B.A. Magna cum Laude, *Mathematics and Computer Science*, 2006.

Kansai Gaidai University: Hirakata City, Osaka Japan.

Study Abroad Program, Spring Semester 2005

General Assembly: New York City, NY

Data Science Intensive Course, 2015

Recent Project Experience

Green Energy Economics Group, Inc.

Economic and Policy Analysis

Small Business Utility Advocate - California

(June 2020 – Present)

- Performing data analysis of underserved small and medium business customers as part of the California Energy Efficiency Coordinating Committee (CAEECC) Underserved Working Group for Small and Medium Business (SMB).
- Prepared report and analysis of arrearages for small businesses due to COVID-19 and assisted with policy recommendations and comments on strategies to address COVID-19 related debt (Do. No. 21-01-014)
- Assisted with analysis and comments for ongoing docket on clean energy financing (Do. No. 20-08-022)
- Provided comments on program design of CleanPowerSF's Food Service Program (Do. No R13-11-05)
- Provided comments on program design for business plans and gas incentive retirement (Do. No. R22-02-005)

Economic and Policy Analysis

Small Business Utility Alliance – Ontario, CA

(June 2021 – Present)

- Provided analysis and evidence on Enbridge Gas of Ontario's 2023 through 2027 DSM Plan.

Gas Topic Committee Co-chair

Association of Energy Service Professionals (AESP)

(January 2019 – Present)

- Co-chair of the topic committee that oversees gas energy efficiency activity in North America. Leader of regular member calls and active participant in conference planning.

Program Management and Benefit Cost Analysis Expert

Public Service Enterprise Group (PSEG) – New Jersey

(October 2021 – Present)

- Consulted on forecasting and management of PSEG's internally run commercial Engineered Solutions and Direct Install programs.
- Assisted with rollout of tracking system for PSEG DSM portfolio.
- Provided assistance with calculation of six economic tests for PSEG's energy efficiency and conservation portfolio, including development of calculation engine and launch as a subcontractor to ANB Enterprises.

Economic and Policy Analysis

Consumer Advocate – Nova Scotia

(March 2019 – Present)

- Provided analysis and written testimony on Efficiency One's (E1) 2020 – 2022 DSM Plan (Matter No. M09096) as it relates to spending and savings levels, affordability, and allocation of funds.

- Provided comments on the 2019 DSM Potential Study's economic analysis and projection assumptions and approach
- Member of DSM Advisory Group (DSMAG) on behalf of the Consumer Advocate of Nova Scotia to provide ongoing support

Development and Regulatory Support for DSM Portfolio

Columbia Gas of Pennsylvania - Pittsburgh, Pennsylvania (February 2022 – Present)

- Developed a three-year voluntary gas energy efficiency plan and provided supporting testimony under Docket No. P-2014-2459362.

Development and Implementation of Energy Efficiency and Conservation Plans

UGI Utilities, Inc. – Pennsylvania (June 2015 – Present)

Assist UGI Utilities, Inc. and PNG with the development and approval of Energy Efficiency and Conservation (EE&C) Plans for their UGI Gas PNG Gas, and UGI Electric divisions, including:

- Ongoing evaluation and portfolio planning activities for both UGI Gas and UGI Electric energy efficiency portfolios.
- Developing an achievable efficiency scenarios for UGI Gas and PNG Gas.
- Designing a five-year, \$27 million energy efficiency and conservation plan for UGI Gas. Submitting direct testimony on behalf of UGI Gas, Inc. on the design and implementation of the proposed plan (Docket No. R-2015-2518438)
- Designing a five-year \$15 million energy efficiency and conservation plan for PNG Gas. Submitting direct testimony on behalf of PNG Gas, Inc. on the design and implementation of the proposed plan (Docket No. R-2016-2580030)
- Assisting with the design and implementation and reporting of the UGI Electric's voluntary EE programs. Designing and assisting with approval for a five-year \$7.2 million electric energy efficiency and conservation plan (Docket No. M-2018-3004144)

Strategic Planning and Implementation of DSM Portfolio

Philadelphia Gas Work's (PGW) - Philadelphia, Pennsylvania (August 2008 – Present)

- Assisting with ongoing program planning and implementation of both the Low-Income Usage Reduction Plan (LIURP) and the market-rate DSM portfolio.
- Provided supporting testimony and analysis for the Phase III market-rate DSM plan under Docket No. P-2014-2459362.
- Designed Phase II plan with PGW and submitted direct testimony supporting the plan on behalf of PGW (Docket No. P-2014-2459362)
- Member of lead consulting team that aided in the design and approval of PGW's five-year, \$54 million portfolio of DSM programs;
- Providing ongoing technical assistance in the development of PGW's \$35 million Phase II five year plan.
- Providing ongoing technical support in program design and implementation, including the roll-out of six programs that, combined since inception, have saved 120,000 MMBtus at a cost of approximately \$17 million;

- Developed specifications for and currently collaborating with internal PGW staff on database system to track weatherization projects, rebate applications, and other information pertaining to PGW's DSM portfolio;
- Developed multiple Excel-based tools used by contractors to perform field audits, provide QA/QC, and track ongoing progress for contractors, programs, and the portfolio as a whole;
- Provided research and analysis support for multiple rounds of expert testimony before the Pennsylvania Public Utility Commission (Docket R-2009—2149884);
- Aided in the issuance of RFPs and selection of candidates for over \$40 million in contracts;
- Major contributor to PGW's ongoing formal reporting and evaluation process, including the issuance of five implementation plans, three annual reports, and two impact evaluations.

DSM Potential Studies in New York, New Jersey, and Pennsylvania

Optimal Energy, Inc. - Vermont (December 2018 – December 2019)

- Assisted Optimal Energy, Inc. with the development of measure assumptions and characterizations for statewide, electric and gas DSM potential studies.

Natural Gas Efficiency Options and EE&C Plan for Peoples Natural Gas

Peoples Natural Gas, Inc. – Pennsylvania (September 2017 – February 2019)

- Prepared report on program, sector, and portfolio-level cost and savings for 29 natural gas administrators in 11 States, and provided recommendations for potential natural gas DSM opportunities for Peoples Natural Gas
- Assist with stakeholder review process
- Developed five year \$42 million Energy Efficiency and Conservation (EE&C) Plan, and provided testimony to support the adoption of the Plan (ongoing).

Research on Leading Energy Efficiency Portfolios

Green Energy Economics Group - Vermont (November 2007 – Present)

- Maintain research and proprietary analysis on actual and projected results from over a dozen electric and natural gas demand side management (DSM) portfolios throughout North America;

Analytic and Technical Support for DSM Tracking Systems

PECO Energy Company – Pennsylvania (September 2016 – December 2017)

Commonwealth Edison Company – Illinois (August 2017 – August 2018)

Companywide (September 2020 – present)

- Subcontractor to ANB Systems Inc. to provide domain expertise and analytic support to rollout of enhanced tracking system.
- Developed dashboards and internal reports used by PECO's EM&V team, business planning, and various program and portfolio managers.
- Guided automation of PECO's six-month and annual reporting process.
- Provided expert guidance on the development of cost effectiveness calculation modules for clients in Pennsylvania and New Jersey

Technical Assistance for Energy Efficiency Program Planning

Green Mountain Power - *Vermont*

(August 2012 – July 2017)

- Developed multivariable regression model and framework to estimate the cost per kW to address a reliability gap in the St. Albans region with targeted energy efficiency.
- Reviewed and analyzed program proposals for the \$20 million Community Energy & Efficiency Development Fund (CEED Fund), including the development of scoring and rebalancing mechanisms;
- Analyzed dataset of 5,000 custom business projects to establish models used for future planning exercises.
- Prepared report on uncounted benefits of renewable generation sources for Vermont.

Analysis of Energy Efficiency in British Columbia

BC Sustainable Energy Association & Sierra Club BC, *British Columbia (May 2011 – June 2014)*

- Provided comments and energy efficiency opportunities report for proceedings on FortisBC Gas and Electric's long-term DSM plans in December of 2013.
- Assisted on research for direct testimony on reasonableness of gas DSM Plan by Fortis Energy Utilities before the British Columbia Utilities Commission, BCUC Project No. 3698627;
- Technical support on assessment of FortisBC Electric's long-term DSM plan and corresponding expert testimony;
- Assistance with direct testimony and technical support on assessment of BC Hydro's long-term DSM plan, before the BCUC.

Energy Efficiency Potential in Oklahoma

Sierra Club, *Oklahoma (April 2011 – November 2011, December 2013 – January 2014)*

- Provided updated report for energy efficiency in Oklahoma and additional comments on PUC rulemaking for electric and gas utility programs.
- Preparation of report on energy efficiency potential for Oklahoma;
- Assistance with research and drafting comments on the US regional haze Federal Implementation Plan for the State of Oklahoma;
- Research and formulation of energy efficiency potential projections provided as part of expert testimony for Oklahoma Gas & Electric's rate case before the Corporation Commission of Oklahoma, Cause No. PUD 201100087.

Technical Assistance for Energy Efficiency Programs

Focus on Energy - *Wisconsin*

(June 2011 – August 2013)

- Developed and customized cost-effectiveness calculators for Wisconsin's Focus on Energy portfolio of energy efficiency programs;
- Trained staff and other consultants on usage of tools and general economic analysis of energy efficiency programs;

- Provided QA/QC on cost-effectiveness analysis of 14 programs spending over \$160 million in two years.

Chicagoland Energy Efficiency Portfolio

People's Gas - *Chicago, Illinois*

(September 2008 – January 2013)

- Providing ongoing regulatory support;
- Provided cost-benefit analysis of various program scenarios and aided in the analysis of contractor bids;
- Customized excel-based portfolio and project cost-effectiveness tools to client's specifications.

Testimony Support for Expanding Gas Energy Efficiency in Pennsylvania

Citizens for Pennsylvania's Future, *Pennsylvania*

(July 2013 – September 2013)

- Provided support on preparation of testimony regarding Peoples Gas of Pennsylvania's DSM plans, including preparation of benchmarking report and alternative scenario projections.

Energy Efficiency Potential in Texas

Sierra Club, *Texas*

(May 2012 – August 2012)

- Research and development of alternative energy efficiency potential scenarios for the ten investor owned utilities (IOUs) in Texas;
- Development of comments for the Public Utility Commission of Texas;
- Development of presentation before the Energy Efficiency Incentive Program Committee.

Austin Energy's Energy Efficiency Potential

Austin City Council Consumer Advocate, *Austin, Texas*

(April 2012)

- Research and development of alternative energy efficiency potential scenarios for Austin Energy.

Nevada Power's Energy Efficiency Potential

Sierra Club, *Nevada*

(November 2011 – June 2012)

- Research on Nevada Power's Integrated Resource Plan (IRP) and development of alternative energy efficiency potential projections.

Comments on EmPower Maryland Programs

Sierra Club, *Maryland*

(September 2011 – October 2011)

- Research for and development of comments on EmPower Maryland's energy efficiency programs, including the development of alternative energy efficiency potential projections.

Ontario Power Authority Field Audit Support Tool

Green Communities Canada - *Ontario, Canada*

(January 2011 – May 2011)

- Collected and implemented specifications for updating the tool used by Ontario Power Authority's low-income program field agents to collect data and determine project net present values;
- Added custom features including customer input forms, saving and closing routines, and database file importing.

Energy Efficiency Potential in Arkansas

Sierra Club/Audubon Society, Arkansas

(September 2009 – March 2010)

- Research and drafting assistance for expert testimony on energy efficiency' as an alternative to the White Bluff Steam Electric Station before the Public Service Commission of Arkansas, Docket No. 09-024-U.

Training for NGOs Working on Energy Efficiency Projects in China

ISC and NRDC – United States and China

(August 2008 – September 2010)

- Developed training materials and provided remote and in-person training sessions on the economic and financial analysis of industrial retrofit projects for structuring and negotiating financial incentive offers to customers;
 - o Worked with the Institute for Sustainable Communities (ISC) to aid its efforts to promote energy efficiency in the Guangdong and Jiangsu Provinces (February 2009 – September 2010);
 - o Worked with the National Resource Defense Council (NRDC) to aid in its efforts in China, especially in conjunction with a \$100 million revolving loan fund from the Asia Development Bank (August 2008-January 2009).

Incentive Calculations for the Project Cost-effectiveness Analysis Tool (CAT)

Efficiency Vermont – Burlington, Vermont

(November 2008 – June 2010)

- Aided in the design of a new approach to calculating incentives for custom energy efficiency projects based on financing and reaching a desired rate of return;
- Modified CAT's cash-flow projection engine, an Excel VBA system, to accommodate the new approach to incentives.

Vermont's 20-year Forecast of Electricity Savings from Sustained Investment

Efficiency Vermont – Burlington, Vermont

(December 2008 – October 2009)

- Provided components of final report relating to long-term trends for the environment (climate change, land-use, and water-use), population growth, and governmental regulation;
- Provided additional technical support on electric demand-side savings potential.

Connecticut's Long Term Acquisition Plan

Connecticut Office of the Consumer Council – Connecticut

(August – October 2008)

- Provided research and support for expert testimony regarding long-range energy-efficiency procurement plan of the Energy Conservation Management Board, on behalf of the Connecticut Office of Consumer Counsel.

Energy Efficiency Plans of BC Hydro and Terasen Gas

BC Sustainable Energy Association and

The Sierra Club - British Columbia, Canada

(October 2008 – March 2009)

- Provided research and support for expert testimony and technical support on assessment of BC Hydro's long-term DSM plan, before the BCUC, on behalf of the BC Sustainable Energy Association and Sierra Club Canada (November 2008 – March 2009);
- Provided research and support for expert testimony on assessment of Terasen Gas conservation plans before the BCUC, on behalf of the BC Sustainable Energy Association and Sierra Club Canada (October 2008).

Testimony

1. **California Public Utility Commission (CPUC)**, R. 22-02-005. Application of Pacific Gas and Electric Company for Approval of 2024-2031 Energy Efficiency Business Plan and 2024-2027 Portfolio Plan (U 39 M) and associated Matters. Small Business Utility Advocate, October 2022.

Issues related to 3-year Business Plan. – October 2022

Gas Incentive Phaseout Comments – September 2022

2. **Pennsylvania PUC** R-2022-3031211. Columbia Gas of Pennsylvania – Rate Case. March 2022.

Three-year energy efficiency plan proposal.

3. **Ontario Energy Board (OEB)**, EB-2021-0002. Enbridge Gas Inc. – Multi Year Demand Side Management Plan (2022 – 2027); Small Business Utility Alliance. December 2021.

Analysis of commercial program goals and program design.

4. **California Public Utility Commission (CPUC)**, R. 21-02-014. Rulemaking to Address Energy Utility Customer Bill Debt Accumulated During the COVID-19 Pandemic. Small Business Utility Advocate, April 2021.

Report on Analysis of Small Business Utility Bill Arrearages in California during COVID-19

5. **Pennsylvania Public Utility Commission (PUC)** P-2014-2459362, Petition of Philadelphia Gas Works for Approval of Demand-Side Management Plan for FY 2016-2020; Philadelphia Gas Works. May 2020.

Review and benchmarking of historical performance and review of planned program changes.

6. **Nova Scotia Utility and Review Board (NSURB)** Matter No. M09096, Efficiency 1 (E1) Application for Approval of 2020 – 2022 Demand Side Management (DSM) Resource Plan; The Consumer Advocate. May 28, 2019.

DSM Investment Levels and Affordability, Usage of Unspent Ratepayer Funding, Rate and Bill Impacts, Target Setting.

7. **Pennsylvania PUC** R-2018-3006814, UGI Gas Utilities Inc. – Gas Division, Rate Case; UGI Utilities Inc. – Gas Division. January 28, 2019.

Energy Efficiency & Conservation Plan and Total Resource Cost Implementation.

8. **Pennsylvania PUC** M-2018-3004144, Petition of UGI Utilities, Inc. – Electric Division for Approval of Phase III of Its Energy Efficiency and Conservation Plan; UGI Utilities, Inc. – Electric Division. August 21, 2018.

Electric energy efficiency and conservation plan development, projections, implementation, and EM&V.

9. **Pennsylvania PUC** M-2017-2640306, Petition of Peoples Natural Gas Company LLC for Approval of its Energy Efficiency and Conservation Plan; Peoples Natural Gas – Peoples Division, Peoples Natural Gas – Equitable Division; January 31, 2018.

Energy efficiency study, energy efficiency & conservation plan, and total resource cost implementation.

10. **Pennsylvania PUC** P-2016-2580030, UGI Penn Natural Gas, Inc. Rate Case; UGI Penn Natural Gas, Inc. January 2017.

Energy efficiency & conservation plan and total resource cost implementation.

11. **Pennsylvania PUC** P-2015-2518438, UGI Utilities, Inc.- Gas Division Rate Case; UGI Utilities, Inc. January 2016.

Energy efficiency & conservation plan and total resource cost implementation.

12. **Pennsylvania Public Utility Commission (PUC)** P-2014-2459362, Philadelphia Gas Works Demand-Side Management Plan for FY 2016-202; Philadelphia Gas Works. May 2015.

Analysis of Phase I DSM Plan and design of Phase II DSM Plan.

Publications

Love, Theodore. J. Nunley. "Using Smart Thermostats to Engage Residential Customers and Drive Comprehensive Retrofit Projects" In *Proceedings of the ACEEE 2020 Summer Study on Energy Efficiency in Buildings*, Washington, D.C.: American Council for an Energy Efficient Economy.

Love, Theodore. "The Future for Residential Gas Efficiency is Combined". *Strategies*. Association of Energy Service Professionals. January 11, 2019.

Love, Theodore. "Using Open Data to Predict Energy Usage: What tax lot data can tell us about energy usage intensity in New York City". *Behavior Energy, and Climate Change Conference 2015*. Sacramento, CA

Plunkett, John, Theodore Love, Francis Wyatt. "An Empirical Model for Predicting Electric Energy Efficiency Acquisition Costs in North America: Analysis and Application". In *Proceedings of the ACEEE 2012 Summer Study on Energy Efficiency in Buildings*, #906, Washington, D.C.: American Council for an Energy Efficient Economy.

Gold, Elliott, Marie-Claire Munnelly, Theodore Love, John Plunkett, Francis Wyatt. "Comprehensive and Cost-Effective: A Natural Gas Utility's Approach to Deep Natural Gas Retrofits for Low Income Customers." In *Proceedings of the ACEEE 2012 Summer Study on Energy Efficiency in Buildings*, #442, Washington, D.C.: American Council for an Energy Efficient Economy.

Myriam Seers

CASE EB-2021-0002: Rates: Policy-Related: Enbridge Gas Inc.	COST CLAIM EB-2021-0002 : 1 : Sebastian Melo	INTERVENOR NAME Melo, Sebastian; +1 (416) 886-7154 sebastian.melo@savoielaportecom	PARTICIPANT CLAIM STATUS Submitted
FILING PARTICIPANT Seers, Myriam; +1 (416) 886-7154 myriam.seers@savoielaportecom	NEW PARTICIPANT No	NON-FILING PARTICIPANT F. NAME	NON-FILING PARTICIPANT L. NAME
SERVICE PROVIDER TYPE Legal Counsel	YEAR CALLED TO BAR 2008	COMPLETED YEARS PRACTICING/YEARS OF RELEVANT EXPERIENCE 14	HOURLY RATE 290
CV STATUS (FOR CONSULTANT/ANALYST) CV Attached	LAST CV DATE December 05, 2022		HST RATE CHARGED 13.00
HEARINGS Yes	CONSULTATIONS No	DISBURSEMENTS No	

HEARINGS

<u>Name</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Sub Total</u>	<u>HST Rate</u>	<u>HST</u>	<u>Total</u>
Review Application and Evidence						
Review Application and Evidence	3.10	290	899.00	13.00	116.87	1,015.87
Discovery						
Preparation of Interrogatories	4.50	290	1,305.00	13.00	169.65	1,474.65
Review Interrogatory Responses	5.20	290	1,508.00	13.00	196.04	1,704.04
Technical Conference Preparation		290		13.00		
Technical Conference Attendance		290		13.00		
Technical Conference Follow Up		290		13.00		
Issues List						
Preparation		290		13.00		
Attendance at Issues Conference		290		13.00		
Intervenor Evidence						
Preparation	9.40	290	2,726.00	13.00	354.38	3,080.38
Interrogatory Responses		290		13.00		
Preparation of Witness(es) for Attendance at Hearing		290		13.00		
Settlement Conference / ADR						
Preparation		290		13.00		
Attendance		290		13.00		
Preparation of Settlement Proposal		290		13.00		
Attendance at Presentation to Panel		290		13.00		
Oral Hearing						
Preparation	24.90	290	7,221.00	13.00	938.73	8,159.73
Attendance at Oral Hearing	18.20	290	5,278.00	13.00	686.14	5,964.14
Submissions						
Written Submissions	7.00	290	2,030.00	13.00	263.90	2,293.90
Oral Submissions		290		13.00		
Attendance at Oral Submissions		290		13.00		
Other Attendance						
Other Attendance		290		13.00		
Communication						
With Client	1.50	290	435.00	13.00	56.55	491.55
With Other Parties		290		13.00		
Motions						
Preparation of Motion(s) Materials		290		13.00		
Prepare Submissions on the Motion(s)		290		13.00		
Attendance at Hearing on Motion(s)		290		13.00		
Confidentiality						

Preparation of Application for Confidentiality	290	13.00	
Prepare Submissions on Confidentiality	290	13.00	
Attendance at Hearing on Confidentiality	290	13.00	
Decision			
Review	290	13.00	
Rate Order			
Review	290	13.00	
Prepare Submission on Rate Order	290	13.00	
Total Service Provider Fees			
Total Service Provider Fees:	21,402.00	2,782.26	24,184.26

Attachments

<u>Attachment</u>	<u>Document Type</u>	<u>Import Message</u>
Myriam Seers's resume.pdf	CV	
Savoie Laporte Time Docket.pdf	Time Docket	

Hearings, Consultations, Disbursements Attachments

<u>Attachment</u>	<u>Related Disbursement Claim</u>	<u>Document Type</u>	<u>Claim Type</u>	<u>Import Message</u>
Myriam Seers's resume.pdf		CV	Hearings	
Savoie Laporte Time Docket.pdf		Time Docket	Hearings	

Time Entries

Date	Status	Approval	Billable Task	Timekeeper	St	St	Duration	Rate	Amount
Small Business Utility Alliance									
<u>EB-2021-0002 Multi-Year Demand Side Management Plan (2022 to 2027)</u>									
Melo, Sebastian									
01-03-2022	Billed		Billable Administrative work	Melo, Sebastian			1.200	170.00	204.00
	Attending the OEB's hearing in the case EB-2021-0002								
02-03-2022	Billed		Billable Administrative work	Melo, Sebastian			1.000	170.00	170.00
	Attending the OEB's hearing in the case EB-2021-0002								
21-03-2022	Billed		Billable Administrative work	Melo, Sebastian			2.400	170.00	408.00
	Modifications Theo and Francis' presentation								
24-03-2022	Billed		Billable Administrative work	Melo, Sebastian			1.700	170.00	289.00
	Attending the OEB's hearing in the case EB-2021-0002								
09-05-2022	Billed		Billable Administrative work	Melo, Sebastian			0.400	170.00	68.00
	Call with Myriam regarding the SBUA final argument submission in case 2021-0002 before the Ontario Energy Board								
09-05-2022	Billed		Billable Administrative work	Melo, Sebastian			1.900	170.00	323.00
	Reading and understanding of Enbridge's final argument in case 2021-0002 before the Ontario Energy Board								
09-05-2022	Billed		Billable Administrative work	Melo, Sebastian			0.600	170.00	102.00
	Meeting with Theo and Francis about Enbridge's final argument in case 2021-0002 before the Ontario Energy Board								
09-05-2022	Billed		Billable Administrative work	Melo, Sebastian			2.200	170.00	374.00
	Reading and understanding of different documents, presentations, and submissions, related to the case 2021-0002 before the Ontario Energy Board								
10-05-2022	Billed		Billable Administrative work	Melo, Sebastian			4.900	170.00	833.00
	Drafting the SBUA-S final argument in case 2021-0002 before the Ontario Energy Board								
11-05-2022	Billed		Billable Administrative work	Melo, Sebastian			1.200	170.00	204.00
	Drafting the SBUA-S final argument in case 2021-0002 before the Ontario Energy Board								
16-05-2022	Billed		Billable Administrative work	Melo, Sebastian			3.800	170.00	646.00
	Drafting the SBUA'S final argument in case 2021-0002 before the Ontario Energy Board								

17-05-2022	Billed	Billable Administrative work	Melo, Sebastien	0.900	170.00	153.00
		Reading and analysis of SEC's final argument in case 2021-0002 before the Ontario Energy Board to incorporate in SBUA's final				
18-05-2022	Billed	Billable Administrative work	Melo, Sebastien	3.300	170.00	561.00
		Drafting the SBUA'S final argument in case 2021-0002 before the Ontario Energy Board, including corrections in footnotes				
19-05-2022	Billed	Billable Administrative work	Melo, Sebastien	1.500	170.00	255.00
		Drafting the SBUA'S final argument in case 2021-0002 before the Ontario Energy Board, including corrections in footnotes				
01-06-2022	Billed	Billable Administrative work	Melo, Sebastien	0.500	170.00	85.00
		Reading and elaboration of the report regarding EB-2021-0002 - OEB Staff Submission				
22-06-2022	Billed	Billable Administrative work	Melo, Sebastien	0.500	170.00	85.00
		Review of proceedings before the Ontario Energy Board				
28-06-2022	Billed	Billable Administrative work	Melo, Sebastien	0.400	170.00	68.00
		Review of cases before the OEB to determine deadlines				
06-09-2022	Billed	Billable Administrative work	Melo, Sebastien	1.000	170.00	170.00
		Drafting of confidentiality agreements within the EB-2021-0002 procedure in order to have access to the information submitted by				
09-09-2022	Billed	Billable Administrative work	Melo, Sebastien	0.600	170.00	102.00
		Filing of the confidentiality commitments in case EB-2021-0002 as well as preparation of the confidentiality commitment on my be				
14-11-2022	Billed	Billable Administrative work	Melo, Sebastien	0.500	170.00	85.00
		Confidentiality agreements for the EB-2021-0002 procedure				
15-11-2022	Billed	Billable Administrative work	Melo, Sebastien	3.200	170.00	544.00
		EB-2021-0002 Enbridge Gas Inc. - Read decision, sent emails regarding decision, requested hours and reviewed guidelines for fi				
24-11-2022	Billed	Billable Administrative work	Melo, Sebastien	0.700	170.00	119.00
		HST SBUA problem review, tax rates and how to proceed with cost claim - EB-2021-0002				
28-11-2022	Billed	Billable Administrative work	Melo, Sebastien	2.000	170.00	340.00
		Revision of cost claim EB-2021-0002 and completion of Myriam's time table as requested by the OEB				
29-11-2022	Billed	Billable Administrative work	Melo, Sebastien	0.500	170.00	85.00
		EB-2021-0002 Enbridge, sending of information on HST and coordination of information by Theo and Francis				
30-11-2022	Billed	Billable Administrative work	Melo, Sebastien	3.000	170.00	510.00
		EB-2021-0002 - Review of information submitted by Theo and Francis, as well as information submitted by Beate for the filing of c				
				Timekeeper Total	39.900	6,783.00
Seers, Myriam						
14-09-2021	Approved	Billable	Seers, Myriam	1.000	290.00	290.00
		Call with James Birkelund and Daniel Elbady; reviewing application				

20-09-2021	Approved	Billable	Seers, Myriam	0.500	290.00	145.00
	Call with James Birkelund re strategy for intervention					
04-10-2021	Approved	Billable	Seers, Myriam	2.100	290.00	609.00
	Reviewing Enbridge evidence; reviewing procedural orders; reviewing letter from OEB regarding expert evidence; reviewing letter					
12-10-2021	Approved	Billable	Seers, Myriam	0.300	290.00	87.00
	emails with experts regarding costs of answering interrogatories and attending hearings; letter to OEB re same;					
21-10-2021	Approved	Billable	Seers, Myriam	4.500	290.00	1,305.00
	Reviewing Enbridge evidence; drafting interrogatories; emails with experts re interrogatories; finalizing letter regarding SBUA man					
22-10-2021	Approved	Billable	Seers, Myriam	2.500	290.00	725.00
	Finalizing interrogatories; OEB decision re expert evidence; planning expert evidence					
26-10-2021	Approved	Billable	Seers, Myriam	0.500	290.00	145.00
	Emails with experts re coordination; emails with Kent Elson re extension request					
27-10-2021	Approved	Billable	Seers, Myriam	1.000	290.00	290.00
	Call with experts to plan expert evidence;					
03-11-2021	Approved	Billable	Seers, Myriam	0.300	290.00	87.00
	reviewing Procedural Order No. 3; email discussions with experts regarding expert evidence;					
15-11-2021	Approved	Billable	Seers, Myriam	0.300	290.00	87.00
	Brief review of interrogatories; emails regarding interrogatories and expert report					
18-11-2021	Approved	Billable	Seers, Myriam	1.800	290.00	522.00
	Reviewing interrogatories; call with experts to plan evidence					
29-11-2021	Approved	Billable	Seers, Myriam	1.000	290.00	290.00
	Reviewing draft expert evidence;					
01-12-2021	Approved	Billable	Seers, Myriam	2.500	290.00	725.00
	Reviewing and revising draft expert report; attending to filing expert report					
14-12-2021	Approved	Billable	Seers, Myriam	0.200	290.00	58.00
	Reviewing Procedural Order No. 6; related emails with experts and client					
16-12-2021	Approved	Billable	Seers, Myriam	0.300	290.00	87.00
	Review interrogatory responses					
10-01-2022	Billed	Billable	Seers, Myriam	0.200	290.00	58.00
	Emails with experts and client re interrogatories					
11-01-2022	Billed	Billable	Seers, Myriam	0.500	290.00	145.00
	Emails re interrogatories					
19-01-2022	Billed	Billable	Seers, Myriam	2.200	290.00	638.00
	Revising and filing interrogatory responses; emails with experts re same					
04-02-2022	Billed	Billable	Seers, Myriam	0.600	290.00	174.00

	Call with experts to prepare for next steps in the proceeding					
25-02-2022	Billed	Billable	Seers, Myriam	1.400	290.00	406.00
	Prepare for technical conference; call with expert witnesses					
28-02-2022	Billed	Billable	Seers, Myriam	1.000	290.00	290.00
	Prepare for technical conference					
01-03-2022	Billed	Billable	Seers, Myriam	3.500	290.00	1,015.00
	Prepare for and attend technical conference					
02-03-2022	Billed	Billable	Seers, Myriam	7.500	290.00	2,175.00
	Prepare for and attend technical conference					
11-03-2022	Billed	Billable	Seers, Myriam	0.200	290.00	58.00
	Emails with experts regarding undertaking					
14-03-2022	Billed	Billable	Seers, Myriam	0.500	290.00	145.00
	Call with experts re undertaking					
16-03-2022	Billed	Billable	Seers, Myriam	0.300	290.00	87.00
	Emails with experts and board re undertaking					
17-03-2022	Billed	Billable	Seers, Myriam	0.500	290.00	145.00
	Finalizing response to undertaking; emails with experts re same; email to Board and parties					
20-03-2022	Billed	Billable	Seers, Myriam	1.400	290.00	406.00
	Reviewing Enbridge undertaking; reviewing draft GEEG presentation; call with experts re draft presentation					
21-03-2022	Billed	Billable	Seers, Myriam	0.500	290.00	145.00
	Finalizing expert presentation					
21-03-2022	Billed	Billable	Seers, Myriam	0.500	290.00	145.00
	Finalizing presentation					
24-03-2022	Billed	Billable	Seers, Myriam	2.500	290.00	725.00
	Preparing for and attending presentation day					
28-03-2022	Billed	Billable	Seers, Myriam	2.500	290.00	725.00
	Attending oral hearing					
29-03-2022	Billed	Billable	Seers, Myriam	2.900	290.00	841.00
	Preparing for and attending oral hearing, including discussions with expert witnesses					
29-03-2022	Billed	Billable	Seers, Myriam	5.300	290.00	1,537.00
	prepare for and attend hearing					
31-03-2022	Billed	Billable	Seers, Myriam	1.500	290.00	435.00
	Attending hearing; multiple discussions with expert witnesses; preparing for cross-examination					
31-03-2022	Billed	Billable	Seers, Myriam	1.500	290.00	435.00
	Attending hearing; preparing for cross-examination of GEEG					
01-04-2022	Billed	Billable	Seers, Myriam	4.500	290.00	1,305.00
	Preparing for and attending hearing					
01-04-2022	Billed	Billable	Seers, Myriam	6.500	290.00	1,885.00
	Preparing for and attending hearing					
04-04-2022	Billed	Billable	Seers, Myriam	0.200	290.00	58.00

	emails with Michael Brophy re final arguments					
19-04-2022	Billed	Billable	Seers, Myriam	0.200	290.00	58.00
	Reviewing letter from OEB regarding next steps in the proceeding					
13-05-2022	Billed	Billable	Seers, Myriam	2.500	290.00	725.00
	preparing final submission					
18-05-2022	Billed	Billable	Seers, Myriam	1.600	290.00	464.00
	Preparing final submission					
19-05-2022	Billed	Billable	Seers, Myriam	2.500	290.00	725.00
	Finalizing and filing final argument					
				Timekeeper Total	73.800	21,402.00
				Case Total	113.700	28,185.00
				Client Total	113.700	28,185.00
				Grand Total	113.700	28,185.00

02-12-2022 15:52:33

Myriam Seers

Myriam is Savoie Laporte's partner.

She joined the firm as a partner in 2021 after practising for 14 years in major Canadian business law firms. She specializes in investment treaty arbitration and international commercial arbitration, with a particular focus on disputes arising from the mining, electricity (including renewable energy), oil & gas and transportation sectors. She has experience with disputes involving projects all over the world, with a particular emphasis on Latin America. She also appears before Canadian courts in proceedings to set aside or enforce foreign arbitral awards.

Myriam is based in Toronto, Canada, a global center for the mining industry. Throughout her career, she has worked on cases involving mining projects at all phases of their life cycle, from early-stage exploration to development-stage projects to operating mines, in jurisdictions as varied as Ecuador, Mexico, Costa Rica, Côte d'Ivoire, Madagascar and the Kyrgyz Republic. She has extensive experience helping clients navigate the wide variety of roadblocks that can stall or stop a mining project over the course of its life, and in fearlessly advocating on clients' behalf in an investment treaty arbitration or other dispute resolution forum when those roadblocks cannot be overcome.

Myriam also has substantial experience with disputes involving renewable energy projects, including offshore wind, onshore wind, hydroelectric and solar projects.

Myriam is ranked as a "Future Leader" by the global publication "Who's Who Legal: Arbitration" (which states that she is "truly excellent" and has "a remarkable reputation for her work on large, complex international arbitration proceedings") and "Up and Coming" by Chambers Global and Chambers Canada: Dispute Resolution (which states that she is "extremely bright and dynamic" and "attracts praise for her ability to understand and manage very complicated situations"). She works in English, French, Spanish, Portuguese and Italian.

In addition to her counsel practice, Myriam sits as an arbitrator and is part of Arbitration Place's NextGen roster of arbitrators. She has been appointed arbitrator by the International Court of Arbitration of the ICC. She is the Chair of the ICC Canada Arbitration Committee, and a frequent guest lecturer on investment treaty arbitration at Osgoode Hall Law School and McGill University. She is also coaching Osgoode's first-ever moot team to compete in a Spanish-language moot competition.

CASE EB-2021-0002: Rates: Policy-Related: Enbridge Gas Inc.	COST CLAIM EB-2021-0002 : 1 : Sebastian Melo	INTERVENOR NAME Melo, Sebastian; +1 (416) 886-7154 sebastian.melo@savoielaporte.co m	PARTICIPANT CLAIM STATUS Submitted
FILING PARTICIPANT	NEW PARTICIPANT Yes	NON-FILING PARTICIPANT F. NAME Walden	NON-FILING PARTICIPANT L. NAME Kiker
SERVICE PROVIDER TYPE Consultant	YEAR CALLED TO BAR	COMPLETED YEARS PRACTICING/YEARS OF RELEVANT EXPERIENCE 2	HOURLY RATE 170
CV STATUS (FOR CONSULTANT/ANALYST) CV Attached	LAST CV DATE December 05, 2022		HST RATE CHARGED 13.00
HEARINGS Yes	CONSULTATIONS No	DISBURSEMENTS No	

HEARINGS

<u>Name</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Sub Total</u>	<u>HST Rate</u>	<u>HST</u>	<u>Total</u>
Review Application and Evidence						
Review Application and Evidence	41.50	170	7,055.00	13.00	917.15	7,972.15
Discovery						
Preparation of Interrogatories		170		13.00		
Review Interrogatory Responses		170		13.00		
Technical Conference Preparation		170		13.00		
Technical Conference Attendance		170		13.00		
Technical Conference Follow Up		170		13.00		
Issues List						
Preparation		170		13.00		
Attendance at Issues Conference		170		13.00		
Intervenor Evidence						
Preparation		170		13.00		
Interrogatory Responses		170		13.00		
Preparation of Witness(es) for Attendance at Hearing		170		13.00		
Settlement Conference / ADR						
Preparation		170		13.00		
Attendance		170		13.00		
Preparation of Settlement Proposal		170		13.00		
Attendance at Presentation to Panel		170		13.00		
Oral Hearing						
Preparation		170		13.00		
Attendance at Oral Hearing		170		13.00		
Submissions						
Written Submissions		170		13.00		
Oral Submissions		170		13.00		
Attendance at Oral Submissions		170		13.00		
Other Attendance						
Other Attendance		170		13.00		
Communication						
With Client		170		13.00		
With Other Parties		170		13.00		
Motions						
Preparation of Motion(s) Materials		170		13.00		
Prepare Submissions on the Motion(s)		170		13.00		
Attendance at Hearing on Motion(s)		170		13.00		
Confidentiality						

Preparation of Application for Confidentiality	170	13.00	
Prepare Submissions on Confidentiality	170	13.00	
Attendance at Hearing on Confidentiality	170	13.00	
Decision			
Review	170	13.00	
Rate Order			
Review	170	13.00	
Prepare Submission on Rate Order	170	13.00	
Total Service Provider Fees			
Total Service Provider Fees:	7,055.00	917.15	7,972.15

Attachments

<u>Attachment</u>	<u>Document Type</u>	<u>Import Message</u>
GEEG Invoice.pdf	Invoice	
Walden Kiker's resume.pdf	CV	
Green Energy Economics Group, Inc's time dockets.pdf	Time Docket	

Hearings, Consultations, Disbursements Attachments

<u>Attachment</u>	<u>Related Disbursement Claim</u>	<u>Document Type</u>	<u>Claim Type</u>	<u>Import Message</u>
GEEG Invoice.pdf		Invoice	Hearings	
Walden Kiker's resume.pdf		CV	Hearings	
Green Energy Economics Group, Inc's time dockets.pdf		Time Docket	Hearings	

Budgets

CAD	USD	
\$ 30,000	\$ 22,500	Preparing Evidence
\$ 18,000	\$ 13,500	Interrogatories, Technical Conference, Oral hearings
\$ 48,000	\$ 36,000	Total
USD/CAD	0.75	

Total								
Hours Spent								
Row Labels	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Grand Total	
Grand Total	130.0	148.0	21.0	64.0	105.3	61.8	466.6	
2021	130.0	148.0	21.0	-	-	-	235.6	
Jun	4.5	-	-	-	-	-	4.5	
Jul	21.3	-	-	-	-	-	21.3	
Aug	53.5	-	-	-	-	-	53.5	
Sep	6.7	-	-	-	-	-	6.7	
Oct	8.5	9.0	-	-	-	-	17.5	
Nov	2.3	110.4	-	-	-	-	112.6	
Dec	-	9.0	10.5	-	-	-	19.5	
2022	-	-	-	64.0	105.3	61.8	231.0	
Jan	-	-	-	63.5	-	-	63.5	
Feb	-	-	-	0.5	17.0	-	17.5	
Mar	-	-	-	-	88.3	49.3	137.5	
Apr	-	-	-	-	-	12.5	12.5	

Francis Wyatt							
Rate (CAD) \$ 330							
Hours Spent							
Row Labels	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total
Grand Total	44.3	74.0	10.5	49.0	57.5	32.3	267.5
2021	44.3	74.0	10.5	-	-	-	128.8
Jun	2.5	-	-	-	-	-	2.5
Jul	20.3	-	-	-	-	-	20.3
Aug	6.3	-	-	-	-	-	6.3
Sep	4.5	-	-	-	-	-	4.5
Oct	8.5	-	-	-	-	-	8.5
Nov	2.3	67.0	-	-	-	-	69.3
Dec	-	7.0	10.5	-	-	-	17.5
2022	-	-	-	49.0	57.5	32.3	138.8
Jan	-	-	-	49.0	-	-	49.0
Feb	-	-	-	-	11.3	-	11.3
Mar	-	-	-	-	46.3	25.8	72.0
Apr	-	-	-	-	-	6.5	6.5

Theo Love							
Rate (CAD) \$ 290							
Hours Spent							
Row Labels	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total
Grand Total	44.3	74.0	10.5	15.0	47.8	29.5	157.6
2021	44.3	74.0	10.5	-	-	-	65.3
Jun	2.0	-	-	-	-	-	2.0
Jul	1.0	-	-	-	-	-	1.0
Aug	5.8	-	-	-	-	-	5.8
Sep	2.2	-	-	-	-	-	2.2
Oct	-	9.0	-	-	-	-	9.0
Nov	-	43.4	-	-	-	-	43.4
Dec	-	2.0	-	-	-	-	2.0
2022	-	-	-	15.0	47.8	29.5	92.3
Jan	-	-	-	14.5	-	-	14.5
Feb	-	-	-	0.5	5.8	-	6.3
Mar	-	-	-	-	42.0	23.5	65.5
Apr	-	-	-	-	-	6.0	6.0

Total								
CAD\$								
Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Grand Total		
\$ 34,490	\$ 45,880	\$ 6,510	\$ 20,520	\$ 32,823	\$ 19,198	\$ 141,020		
\$ 34,490	\$ 45,880	\$ 6,510	\$ -	\$ -	\$ -	\$ 68,480		
\$ 1,405	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,405		
\$ 6,973	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,973		
\$ 10,785	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,785		
\$ 2,113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,113		
\$ 2,805	\$ 2,610	\$ -	\$ -	\$ -	\$ -	\$ 5,415		
\$ 743	\$ 34,691	\$ -	\$ -	\$ -	\$ -	\$ 35,434		
\$ -	\$ 2,890	\$ 3,465	\$ -	\$ -	\$ -	\$ 6,355		
\$ -	\$ -	\$ -	\$ 20,520	\$ 32,823	\$ 19,198	\$ 72,540		
\$ -	\$ -	\$ -	\$ 20,375	\$ -	\$ -	\$ 20,375		
\$ -	\$ 0.5	\$ -	\$ 145	\$ 5,380	\$ -	\$ 5,525		
\$ -	\$ -	\$ -	\$ -	\$ 27,443	\$ 15,313	\$ 42,755		
\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,885	\$ 3,885		

Francis Wyatt							
Rate (CAD) \$ 330							
Hours Spent							
Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total	
\$ 14,603	\$ 24,420	\$ 3,465	\$ 16,170	\$ 18,975	\$ 10,643	\$ 88,275	
\$ 14,603	\$ 24,420	\$ 3,465	\$ -	\$ -	\$ -	\$ 42,488	
\$ 825	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 825	
\$ 6,683	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,683	
\$ 2,063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,063	
\$ 1,485	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,485	
\$ 2,805	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,805	
\$ 743	\$ 22,110	\$ -	\$ -	\$ -	\$ -	\$ 22,853	
\$ -	\$ 2,310	\$ 3,465	\$ -	\$ -	\$ -	\$ 5,775	
\$ -	\$ -	\$ -	\$ 16,170	\$ 18,975	\$ 10,643	\$ 45,788	
\$ -	\$ -	\$ -	\$ 16,170	\$ -	\$ -	\$ 16,170	
\$ -	\$ -	\$ -	\$ -	\$ 3,713	\$ -	\$ 3,713	
\$ -	\$ -	\$ -	\$ -	\$ 15,263	\$ 8,498	\$ 23,760	
\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,145	\$ 2,145	

Theo Love							
Rate (CAD) \$ 290							
Hours Spent							
Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total	
\$ 12,833	\$ 21,460	\$ 3,045	\$ 4,350	\$ 13,848	\$ 8,555	\$ 45,690	
\$ 12,833	\$ 21,460	\$ 3,045	\$ -	\$ -	\$ -	\$ 18,937	
\$ 580	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 580	
\$ 290	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 290	
\$ 1,668	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,668	
\$ 628	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 628	
\$ -	\$ 2,610	\$ -	\$ -	\$ -	\$ -	\$ 2,610	
\$ -	\$ 12,581	\$ -	\$ -	\$ -	\$ -	\$ 12,581	
\$ -	\$ 580	\$ -	\$ -	\$ -	\$ -	\$ 580	
\$ -	\$ -	\$ -	\$ 4,350	\$ 13,848	\$ 8,555	\$ 26,753	
\$ -	\$ -	\$ -	\$ 4,205	\$ -	\$ -	\$ 4,205	
\$ -	\$ -	\$ -	\$ 145	\$ 1,668	\$ -	\$ 1,813	
\$ -	\$ -	\$ -	\$ -	\$ 12,180	\$ 6,815	\$ 18,995	
\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,740	\$ 1,740	

Walden Kiker								Rate (CAD) \$ 170							
Hours Spent								CAD\$							
Row Labels	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total	
Grand Total	41.5						41.5	\$ 7,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,055	
2021	41.5						41.5	\$ 7,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,055	
Jun								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Jul								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Aug	41.5						41.5	\$ 7,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,055	
Sep								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Oct								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Nov								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Dec								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2022								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Jan								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Feb								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

Sum of Duration (hours)	Column Labels																			
	Francis Wyatt						Francis Wyatt Total	Theodore Love						Theodore Love Total	Walden Kiker		Walden Kiker Total	(blank)	(blank) Total	Grand Total
Row Labels	Initial Research	Interrogatories	Other Evidence Review	Preparing Evidence	Tech Conference	Hearings		Initial Research	Interrogatories	Preparing Evidence	Tech Conference	Hearings		Initial Research						
<6/8/21																				
2021	44.3		10.5	74.0			128.8	10.9		54.4			65.3	41.5		41.5				235.6
Jun	2.5						2.5	2.0					2.0							4.5
Jul	20.3						20.3	1.0					1.0							21.3
Aug	6.3						6.3	5.8					5.8	41.5		41.5				53.5
Sep	4.5						4.5	2.2					2.2							6.7
Oct	8.5						8.5					9.0	9.0							17.5
Nov	2.3			67.0			69.3			43.4			43.4							112.6
Dec			10.5	7.0			17.5			2.0			2.0							19.5
2022		49.0			57.5	32.3	138.8		15.0		47.8	29.5	92.3							231.0
Jan		49.0					49.0		14.5				14.5							63.5
Feb					11.3		11.3		0.5		5.8		6.3							17.5
Mar					46.3	25.8	72.0				42.0	23.5	65.5							137.5
Apr					6.5		6.5					6.0	6.0							12.5
Grand Total	44.3	49.0	10.5	74.0	57.5	32.3	267.5	10.9	15.0	54.4	47.8	29.5	157.6	41.5		41.5				466.6

Person	Date	Duration (hours)	Category	Phase	Description
Francis Wyatt	6/21/2021	0.25	1. Hours-Consultation	Initial Research	OEB order review.
Francis Wyatt	6/23/2021	0.25	1. Hours-Consultation	Initial Research	Review OEB procedural order.
Francis Wyatt	6/29/2021	2	1. Hours-Consultation	Initial Research	Review Enbridge filings and other docs.
Francis Wyatt	7/2/2021	5	1. Hours-Consultation	Initial Research	Review Enbridge filing and other docs. PO#1 response.
Francis Wyatt	7/9/2021	2	1. Hours-Consultation	Initial Research	Review Enbridge filing and draft issues.
Francis Wyatt	7/12/2021	3.75	1. Hours-Consultation	Initial Research	Draft issues. Review comments.
Francis Wyatt	7/13/2021	1.75	1. Hours-Consultation	Initial Research	Documents review.
Francis Wyatt	7/14/2021	1.5	1. Hours-Consultation	Initial Research	Document review.
Francis Wyatt	7/15/2021	2	1. Hours-Consultation	Initial Research	Document review.
Francis Wyatt	7/19/2021	0.25	1. Hours-Consultation	Initial Research	Review submittals.
Francis Wyatt	7/22/2021	0.25	1. Hours-Consultation	Initial Research	Review submittals.
Francis Wyatt	7/23/2021	0.25	1. Hours-Consultation	Initial Research	Submittal review.
Francis Wyatt	7/29/2021	2	1. Hours-Consultation	Initial Research	Review submittals and documents.
Francis Wyatt	7/30/2021	1.5	1. Hours-Consultation	Initial Research	Review submittals and documents.
Francis Wyatt	8/2/2021	0.25	1. Hours-Consultation	Initial Research	DSM analysis.
Francis Wyatt	8/3/2021	3	1. Hours-Consultation	Initial Research	Document review and analysis.
Francis Wyatt	8/6/2021	3	1. Hours-Consultation	Initial Research	Document review and analysis.
Francis Wyatt	9/9/2021	0.5	1. Hours-Consultation	Initial Research	Review OEB decision and issues list.
Francis Wyatt	9/13/2021	0.75	1. Hours-Consultation	Initial Research	Call to discuss.
Francis Wyatt	9/15/2021	0.5	1. Hours-Consultation	Initial Research	Review OEB staff evidence description.
Francis Wyatt	9/16/2021	1.5	1. Hours-Consultation	Initial Research	Draft issues to be covered in evidence.
Francis Wyatt	9/17/2021	1	1. Hours-Consultation	Initial Research	Draft issues to be covered in evidence.
Francis Wyatt	9/30/2021	0.25	1. Hours-Consultation	Initial Research	Expert evidence.
Francis Wyatt	10/4/2021	0.5	1. Hours-Consultation	Initial Research	Expert evidence letter.
Francis Wyatt	10/21/2021	4.5	1. Hours-Consultation	Initial Research	Interrogatories to Enbridge.
Francis Wyatt	10/22/2021	1	1. Hours-Consultation	Initial Research	Interrogatories to Enbridge.
Francis Wyatt	10/27/2021	2.5	1. Hours-Consultation	Initial Research	Research and prep for evidence.
Francis Wyatt	11/3/2021	1.5	1. Hours-Consultation	Initial Research	Research for evidence.
Francis Wyatt	11/4/2021	0.75	1. Hours-Consultation	Initial Research	Call with OEB staff consultant Optimal Energy.
Francis Wyatt	11/8/2021	0.25	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/16/2021	1.5	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/18/2021	4	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/19/2021	6	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/22/2021	6.5	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/23/2021	6	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/24/2021	6.75	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/26/2021	7	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/28/2021	8	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/29/2021	10	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/30/2021	11	1. Hours-Consultation	Preparing Evidence	Evidence Preparation.
Francis Wyatt	12/1/2021	7	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	12/2/2021	1	1. Hours-Consultation	Other Evidence Review	Review other parties' evidence.
Francis Wyatt	12/7/2021	1	1. Hours-Consultation	Other Evidence Review	Review other parties evidence.
Francis Wyatt	12/13/2021	2.5	1. Hours-Consultation	Other Evidence Review	Review evidence
Francis Wyatt	12/14/2021	0.5	1. Hours-Consultation	Other Evidence Review	Review filings.
Francis Wyatt	12/15/2021	0.5	1. Hours-Consultation	Other Evidence Review	Review filings for interrogatories.
Francis Wyatt	12/29/2021	2	1. Hours-Consultation	Other Evidence Review	Review and organize interrogatories.
Francis Wyatt	12/31/2021	3	1. Hours-Consultation	Other Evidence Review	Review and organize interrogatories.
Francis Wyatt	1/3/2022	1	1. Hours-Consultation	Interrogatories	IR review.
Francis Wyatt	1/5/2022	2.75	1. Hours-Consultation	Interrogatories	IR review.
Francis Wyatt	1/6/2022	3	1. Hours-Consultation	Interrogatories	IR review and summary.
Francis Wyatt	1/7/2022	2	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/10/2022	4.25	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/11/2022	6	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/12/2022	4.25	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/13/2022	6.5	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/14/2022	4.5	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/17/2022	7.5	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/18/2022	6	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/19/2022	1.25	1. Hours-Consultation	Interrogatories	IR responses.
Theodore Love	6/8/2021	1	1. Hours-Consultation	Initial Research	Strategy call with counsel.
Theodore Love	6/29/2021	1	1. Hours-Consultation	Initial Research	Strategy discussion and examination of issues.
Theodore Love	7/21/2021	0.75	1. Hours-Consultation	Initial Research	Reviewing reply responses to issues list comments.
Theodore Love	7/23/2021	0.25	1. Hours-Consultation	Initial Research	Reviewing response comments.
Theodore Love	8/2/2021	0.75	1. Hours-Consultation	Initial Research	Enbridge Historical DSM Data review.
Theodore Love	8/9/2021	2.5	1. Hours-Consultation	Initial Research	REviewing historical small business programs.
Theodore Love	8/10/2021	1.25	1. Hours-Consultation	Initial Research	Reviewing historical costs and savings with analyst
Theodore Love	8/11/2021	0.5	1. Hours-Consultation	Initial Research	Meeting reviewing comparison of past performance to projections
Theodore Love	8/17/2021	0.5	1. Hours-Consultation	Initial Research	Reviewing historical spending and savings.

Theodore Love	8/26/2021	0.25	1. Hours-Consultation	Initial Research	Reviewing board order.
Theodore Love	9/13/2021	0.6667	1. Hours-Consultation	Initial Research	Strategy call with Myriam, James
Theodore Love	9/15/2021	1	1. Hours-Consultation	Initial Research	Reviewing issues and generating scope of investigation.
Theodore Love	9/17/2021	0.5	1. Hours-Consultation	Initial Research	Drafting issues list to address.
Theodore Love	10/14/2021	1	1. Hours-Consultation	Preparing Evidence	Reviewing Best practices on SMB Gas programs.
Theodore Love	10/18/2021	0.5	1. Hours-Consultation	Preparing Evidence	Reviewing SMB best practices in MA
Theodore Love	10/19/2021	1.25	1. Hours-Consultation	Preparing Evidence	Reviewing MA plan and evaluations
Theodore Love	10/21/2021	1.25	1. Hours-Consultation	Preparing Evidence	Reviewing MI and MN data
Theodore Love	10/22/2021	1.5	1. Hours-Consultation	Preparing Evidence	Reviewing interrogatories for relevant questions
Theodore Love	10/25/2021	0.5	1. Hours-Consultation	Preparing Evidence	Researching Gas best practices for small businesses.
Theodore Love	10/26/2021	0.5	1. Hours-Consultation	Preparing Evidence	Reviewing data collection
Theodore Love	10/27/2021	2.5	1. Hours-Consultation	Preparing Evidence	Developing outline for evidence. Call with counsel.
Theodore Love	11/1/2021	1.25	1. Hours-Consultation	Preparing Evidence	Research on MI and MN best practices.
Theodore Love	11/4/2021	1.5	1. Hours-Consultation	Preparing Evidence	Preparing evidence on SMB best practices.
Theodore Love	11/10/2021	0.75	1. Hours-Consultation	Preparing Evidence	Guiding research on SMEs in Ontario
Theodore Love	11/12/2021	1	1. Hours-Consultation	Preparing Evidence	Drafting evidence on SMB energy usage
Theodore Love	11/16/2021	1.1333	1. Hours-Consultation	Preparing Evidence	Preparing evidence and reviewing IR Responses.
Theodore Love	11/17/2021	2	1. Hours-Consultation	Preparing Evidence	preparing evidence.
Theodore Love	11/18/2021	2	1. Hours-Consultation	Preparing Evidence	Preparing evidence. meeting with counsel
Theodore Love	11/19/2021	0.75	1. Hours-Consultation	Preparing Evidence	Reviewing interrogatory responses.
Theodore Love	11/22/2021	9	1. Hours-Consultation	Preparing Evidence	Preparing evidence. Developing comparison tables.
Theodore Love	11/23/2021	4	1. Hours-Consultation	Preparing Evidence	Preparing comparison data for evidence.
Theodore Love	11/24/2021	0.25	1. Hours-Consultation	Preparing Evidence	Research check-in
Theodore Love	11/28/2021	10.25	1. Hours-Consultation	Preparing Evidence	Gathering comparison data.
Theodore Love	11/29/2021	4.5	1. Hours-Consultation	Preparing Evidence	Reviewing evidence draft
Theodore Love	11/30/2021	5	1. Hours-Consultation	Preparing Evidence	Drafting evidence.
Theodore Love	12/1/2021	2	1. Hours-Consultation	Preparing Evidence	Finalizing evidence for filing.
Theodore Love	1/11/2022	1.5	1. Hours-Consultation	Interrogatories	interrogatory responses
Theodore Love	1/12/2022	1.25	1. Hours-Consultation	Interrogatories	IR responses.
Theodore Love	1/13/2022	2	1. Hours-Consultation	Interrogatories	Interrogatory response
Theodore Love	1/15/2022	7.5	1. Hours-Consultation	Interrogatories	Responding to IRs from OEB, PP, OFRI, and GPI
Theodore Love	1/18/2022	2.25	1. Hours-Consultation	Interrogatories	Responding to OEB IRs. Reviewing full IR responses.
Theodore Love	2/4/2022	0.5	1. Hours-Consultation	Interrogatories	Meeting with attorney on tech conference prep.
Walden Kiker	8/2/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/2/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/3/2021	1	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/4/2021	3	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/9/2021	0.5	1. Hours-Consultation	Initial Research	Meeting
Walden Kiker	8/9/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/9/2021	3	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/10/2021	1	1. Hours-Consultation	Initial Research	Meeting
Walden Kiker	8/10/2021	1.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/10/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/11/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/11/2021	0.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/11/2021	3.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/16/2021	2.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/16/2021	2.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/17/2021	3	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/18/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/18/2021	1	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/19/2021	3.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/20/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/23/2021	1	1. Hours-Consultation	Initial Research	EGI SBUA Review
Francis Wyatt	2/22/2022	0.5	1. Hours-Consultation	Tech Conference	Prep for Tech Conference.
Francis Wyatt	2/25/2022	3.5	1. Hours-Consultation	Tech Conference	Test Tech Conf. Prep for Tech Conf.
Francis Wyatt	2/28/2022	7.25	1. Hours-Consultation	Tech Conference	Prep for Tech Conference. Attend Tech Conference.
Francis Wyatt	3/1/2022	7	1. Hours-Consultation	Tech Conference	Prep for and attend Tech Conference
Francis Wyatt	3/2/2022	7	1. Hours-Consultation	Tech Conference	Prep for and attend Tech Conference.
Francis Wyatt	3/11/2022	4.5	1. Hours-Consultation	Tech Conference	Undertaking analysis.
Francis Wyatt	3/14/2022	2.5	1. Hours-Consultation	Tech Conference	Undertaking analysis.
Francis Wyatt	3/16/2022	7.5	1. Hours-Consultation	Tech Conference	Undertaking analysis and writeup.
Francis Wyatt	3/17/2022	5.75	1. Hours-Consultation	Tech Conference	Undertaking analysis and writeup.
Francis Wyatt	3/18/2022	1.5	1. Hours-Consultation	Tech Conference	Review undertakings. Presentation.
Francis Wyatt	3/19/2022	1.5	1. Hours-Consultation	Tech Conference	Review undertakings. Presentation.
Francis Wyatt	3/20/2022	2.25	1. Hours-Consultation	Tech Conference	Review undertakings. Presentation.
Francis Wyatt	3/21/2022	2.25	1. Hours-Consultation	Tech Conference	Presentation preparation. Review other presentations.
Francis Wyatt	3/24/2022	4.5	1. Hours-Consultation	Tech Conference	Presentation prep., View other presentations, Present.
Francis Wyatt	3/25/2022	2.75	1. Hours-Hearings	Hearings	Prepare for oral hearings.
Francis Wyatt	3/28/2022	6.25	1. Hours-Hearings	Hearings	Oral Hearings.

Francis Wyatt	3/29/2022	6 1. Hours-Hearings	Hearings	Oral Hearings.
Francis Wyatt	3/30/2022	4.25 1. Hours-Hearings	Hearings	Oral Hearings.
Francis Wyatt	3/31/2022	6.5 1. Hours-Hearings	Hearings	Oral Hearings.
Francis Wyatt	4/1/2022	6.5 1. Hours-Hearings	Hearings	Oral Hearings.
Theodore Love	2/25/2022	0.75 1. Hours-Consultation	Tech Conference	Prep for technical hearings.
Theodore Love	2/28/2022	5 1. Hours-Consultation	Tech Conference	Attending Technical Conference
Theodore Love	3/1/2022	2.25 1. Hours-Consultation	Tech Conference	Technical Conference preparation
Theodore Love	3/1/2022	5 1. Hours-Consultation	Tech Conference	Attending technical conference.
Theodore Love	3/2/2022	7 1. Hours-Consultation	Tech Conference	Attending technical Conference.
Theodore Love	3/11/2022	1 1. Hours-Consultation	Tech Conference	Undertaking analysis
Theodore Love	3/14/2022	3 1. Hours-Consultation	Tech Conference	Undertaking from technical conference.
Theodore Love	3/15/2022	4.25 1. Hours-Consultation	Tech Conference	Undertaking analysis.
Theodore Love	3/16/2022	3 1. Hours-Consultation	Tech Conference	Undertaking analysis.
Theodore Love	3/17/2022	2.25 1. Hours-Consultation	Tech Conference	Finalizing undertaking analysis
Theodore Love	3/18/2022	4.5 1. Hours-Consultation	Tech Conference	Preparing presentation for Presentation day .
Theodore Love	3/20/2022	3.75 1. Hours-Consultation	Tech Conference	Preparing presentation slides.
Theodore Love	3/21/2022	0.5 1. Hours-Consultation	Tech Conference	Finalizing presentation slides.
Theodore Love	3/23/2022	1 1. Hours-Consultation	Tech Conference	Practice for presentation
Theodore Love	3/24/2022	4.5 1. Hours-Consultation	Tech Conference	Attending and presenting at Presentation day.
Theodore Love	3/28/2022	5.75 1. Hours-Hearings	Hearings	Preparing for and attending hearings.
Theodore Love	3/29/2022	4.25 1. Hours-Hearings	Hearings	Attending hearings.
Theodore Love	3/30/2022	6.5 1. Hours-Hearings	Hearings	Attending hearings
Theodore Love	3/31/2022	7 1. Hours-Hearings	Hearings	Attending hearings.
Theodore Love	4/1/2022	6 1. Hours-Hearings	Hearings	Hearing preparation and attending hearings.

C. Walden Kiker

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EDUCATION

Middlebury Institute of International Studies

Master of Arts: International Environmental Policy

Monterey, California

August 2019-May 2021

University of Maryland

Bachelor of Arts: History and Political Science- International Relations

College Park, MD

August 2013- May 2017

SKILLS

-
- ArcGIS 10.3/ Arc Pro
 - CEQA+NEPA Analysis
 - Tableau/Excel Data Visualization
 - Advanced Spanish Comprehension
 - Adaptive Project Management
 - Policy Analysis

RELATED EXPERIENCE

Green Energy Economics Group

Research Analyst

Cuttingsville, Vermont

May 2021-Present

- Conducting research on solar payback periods, clean energy financing, and environmental justice initiatives to help bolster renewable energy and energy efficiency programs across North America.
- Analyzing annual program reviews to ensure utilities meet their targets for various energy efficiency programs.

California Farmlink

Regenerative Agriculture Finance Intern

Monterey, California

January 2021-June 2021

- Developing lending packages for small crop/ dairy farmers to invest in regenerative agriculture practices and methane digesters to bolster wealth, sequester carbon, and build resilient landscapes.

The Port of San Diego

Environmental Conservation Intern

Monterey, California

January 2021-May 2021

- Created a blue carbon framework for the Port of San Diego by researching emerging legislation and best management practices for aquaculture & blue carbon projects, to help guide the Port's strategy for wetland and eelgrass restoration.

Center for the Blue Economy

Graduate Student Researcher

Monterey, California

August 2020-December 2020

- Managed, aggregated, and visualized economic data regarding tourism, artisanal fishing, commodity trades, and other industries related to the coastal economy, to track market growth for several East-African nations.

World Resources Institute

Food Program & Corporate Engagement Intern

Washington, DC

Summer 2020

- Created a networking platform via research and external engagement for a membership organization called "Cool Food", whose members collectively serve 1 billion meals annually. The platform helps large foodservice providers achieve their goal of 25% GHG reduction in foodservice by connecting them with organizations actively working towards creating more sustainable front and back of house dining operations.
- Composed a policy document with 40 existing or proposed policy interventions from across the world, which municipalities can reference to increase healthy meals served, shift towards plant-rich diets, and foster sustainability in their local food systems.

The Good Food Institute

Sustainable Seafood Initiatives Intern

Washington, DC

Summer 2020

- Gathered, aggregated, and analyzed, hundreds of datapoints regarding seafood including: caught / farmed sustainability, market price, consumer receptivity, and methylmercury concentrations, to create a Seafood Species Decision Matrix: an online, open-access tool for players in the alternative seafood space to make informed decisions regarding species replication to alleviate pressures on the seafood industry.

James Birkelund

CASE EB-2021-0002: Rates: Policy-Related: Enbridge Gas Inc.	COST CLAIM EB-2021-0002 : 1 : Sebastian Melo	INTERVENOR NAME Melo, Sebastian; +1 (416) 886-7154 sebastian.melo@savoielaporte.co m	PARTICIPANT CLAIM STATUS Submitted
FILING PARTICIPANT Birkelund, James; +1 (415) 602-6223 james@birkelundlaw.com	NEW PARTICIPANT No	NON-FILING PARTICIPANT F. NAME	NON-FILING PARTICIPANT L. NAME
SERVICE PROVIDER TYPE Legal Counsel	YEAR CALLED TO BAR 2000	COMPLETED YEARS PRACTICING/YEARS OF RELEVANT EXPERIENCE 22	HOURLY RATE 330
CV STATUS (FOR CONSULTANT/ANALYST) CV Attached	LAST CV DATE December 05, 2022		HST RATE CHARGED 13.00
HEARINGS Yes	CONSULTATIONS No	DISBURSEMENTS No	

HEARINGS

<u>Name</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Sub Total</u>	<u>HST Rate</u>	<u>HST</u>	<u>Total</u>
Review Application and Evidence						
Review Application and Evidence	3.75	330	1,237.50	13.00	160.88	1,398.38
Discovery						
Preparation of Interrogatories		330		13.00		
Review Interrogatory Responses		330		13.00		
Technical Conference Preparation		330		13.00		
Technical Conference Attendance		330		13.00		
Technical Conference Follow Up		330		13.00		
Issues List						
Preparation	5.75	330	1,897.50	13.00	246.68	2,144.18
Attendance at Issues Conference		330		13.00		
Intervenor Evidence						
Preparation	1.00	330	330.00	13.00	42.90	372.90
Interrogatory Responses		330		13.00		
Preparation of Witness(es) for Attendance at Hearing		330		13.00		
Settlement Conference / ADR						
Preparation		330		13.00		
Attendance		330		13.00		
Preparation of Settlement Proposal		330		13.00		
Attendance at Presentation to Panel		330		13.00		
Oral Hearing						
Preparation		330		13.00		
Attendance at Oral Hearing		330		13.00		
Submissions						
Written Submissions	5.25	330	1,732.50	13.00	225.23	1,957.73
Oral Submissions		330		13.00		
Attendance at Oral Submissions		330		13.00		
Other Attendance						
Other Attendance		330		13.00		
Communication						
With Client	1.75	330	577.50	13.00	75.08	652.58
With Other Parties	1.75	330	577.50	13.00	75.08	652.58
Motions						
Preparation of Motion(s) Materials		330		13.00		
Prepare Submissions on the Motion(s)		330		13.00		
Attendance at Hearing on Motion(s)		330		13.00		
Confidentiality						

Preparation of Application for Confidentiality	330	13.00		
Prepare Submissions on Confidentiality	330	13.00		
Attendance at Hearing on Confidentiality	330	13.00		
Decision				
Review	330	13.00		
Rate Order				
Review	330	13.00		
Prepare Submission on Rate Order	330	13.00		
Total Service Provider Fees				
Total Service Provider Fees:	6,352.50	825.85	7,178.35	

Attachments

<u>Attachment</u>	<u>Document Type</u>	<u>Import Message</u>
J. Birkelund invoice.pdf	Invoice	
James' Time Docket.pdf	Time Docket	
J Birkelund CV.pdf	CV	

Hearings, Consultations, Disbursements Attachments

<u>Attachment</u>	<u>Related Disbursement Claim</u>	<u>Document Type</u>	<u>Claim Type</u>	<u>Import Message</u>
J. Birkelund invoice.pdf		Invoice	Hearings	
James' Time Docket.pdf		Time Docket	Hearings	
J Birkelund CV.pdf		CV	Hearings	

Time Docket for James Birkelund: EB-2021-0002
Enbridge Application for Multi-Year Natural Gas Demand Side Management Plan (2022 to 2027)

Issue Identification

- 1 Review Application and Evidence
- 2 Discovery
- 3 Issue List
- 4 Intervenor Evidence
- 5 Stlmt Conference / ADR
- 6 Oral Hearing
- 7 Submissions
- 8 Other Attendance
- 10 Communications
- 11 Motions
- 12 Confidentiality
- 13 Decision
- 14 Rate Order

Date	Descriptions	Total	1	2	3	4	5	6	7	8	9	10	11	12	13	14
5/3/2021	Initial analysis and rev of application	1.5	1.5													
5/10/2021	As above.	1.25	1.25													
5/12/2021	Confer w B. Marra re issues for client and small business ratepayers.	1										1				
5/13/2021	Emails to Enbridge attorney re Notice to Customers	0.25										0.25				
5/13/2021	Rsch regulations and draft notice of intervention	0.5							0.5							
5/20/2021	Strategy re coordination w other intervenors on evidence	0.5										0.5				
5/25/2021	Coordination email to J. Shepard, counsel to SEC	0.25										0.25				
6/1/2021	Read letters of intervention, outline issues for parties	0.5	0.5													
6/2/2021	Read EGI reply ltr to intervenors (GEC, ED, SEC)	0.5	0.5													
6/8/2021	Strategy call w expert re intervention, small business positions	1				1										
6/22/2021	Read Procedural Order #1; memo to experts re the same	0.5							0.5							
6/23/2021	Read Proc Order #2; formulate issues for SBUA	1.25			1.25											
6/28/2021	Many emails w parties re scope of cmmts on PO 1 and 2	0.5										0.5				
6/29/2021	Strategy call w experts re submissions, Orders 1 and 2	1			0.75				0.25							
7/1/2021	Strategy call w experts re submissions, Orders 1 and 2	1.25			1				0.25							
7/6/2021	Draft SBUA submission on PO #1.	0.25							0.25							
7/7/2021	Rev parties' submissions re PO #1	0.5							0.5							
7/12/2021	Draft cmmts on PO #2.	0.75			0.75											
7/13/2021	Rev parties' cmmts on draft issue list	0.75			0.75											
7/19/2021	Read OEB response to cmmts on draft issue list.	0.5			0.5											
7/20/2021	Rev Enbridge and other parties' responses to draft issues list	0.75			0.75											
8/4/2021	Confer re client strategy and new counsel at Savoie LaPorte	0.25										0.25				
8/17/2021	Strategy call w M. Seers and D. Ebady.	0.5										0.5				
10/19/2021	Read OEB request for addn SBUA info; rsch intervenor guidelines; develop response submission for client	1.25							1.25							
10/20/2021	Edit B. Marra ltr to OEB re SBUA membership and interest; confer w client representative	1.5							1.5							
10/21/2021	Finalize SBUA ltr response to OEB; confer w client representative re approval.	0.5							0.25			0.25				
	Totals:	19.25	3.75	0	5.75	1	0	0	5.25	0	0	3.5	0	0	0	0

E&E Law Corp.
James M. Birkelund
Attorney

E: james@birkelundlaw.com
T: 415.602.6223; F: 415.789.4556
Mailing Address: 2355 State St., Ste. 101
Salem, OR 97301

November 30, 2022

To: Small Business Utility Alliance
Re: Legal Account for *Enbridge Application for Multi-Year Natural Gas Demand Side Management Plan* (2022 to 2027); EB-2021-0002

STATEMENT OF ATTORNEY SERVICES RENDERED AND EXPENSES

Attached below please find attorney hours and expenses incurred from 5/3/21 to 10/21/21:

	Description	Amount
Attorney hours:	19.25 hours	\$6,352.50
	Rate of \$330/hour based on Ontario Energy Board rates	
Expenses:	None	-
Total:		\$6,352.50

Detailed time records are included and as provided to the Ontario Energy Board in our cost submission.

Very truly yours,



James M. Birkelund

Time Docket for James Birkelund: EB-2021-0002
Enbridge Application for Multi-Year Natural Gas Demand Side Management Plan (2022 to 2027)

Issue Identification

- 1 Review Application and Evidence
- 2 Discovery
- 3 Issue List
- 4 Intervenor Evidence
- 5 Stmt Conference / ADR
- 6 Oral Hearing
- 7 Submissions
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Date	Descriptions	Total	1	2	3	4	5	6	7	8	9	10	11	12	13	14
5/3/21	Initial analysis and rev of application.	1.5	1.5													
5/10/21	As above.	1.25	1.25													
5/12/21	Confer w B. Marra re issues for client and small business ratepayers.	1										1				
5/13/21	Emails w Enbridge att re Notice to Customers.	0.25										0.25				
5/13/21	Rsch regulations and draft notice of intervention.	0.5							0.5							
5/20/21	Strategy re coord w other intervenors on evidence.	0.5										0.5				
5/25/21	Coordination email to J. Shepard, counsel to SEC.	0.25										0.25				
6/1/21	Read ltrs of intervention, outline issues for parties.	0.5	0.5													
6/2/21	Read EGI reply ltr to intervenors (GEC, ED, SEC).	0.5	0.5													
6/8/21	Strategy call w expert re intervention, small business positions.	1				1										
6/22/21	Read PO #1; memo to experts re the same.	0.5							0.5							
6/23/21	Read Proc Order #2; formulate issues for SBUA.	1.25			1.25											
6/28/21	Many emails w parties re scope of cmmts on PO # 1 and 2.	0.5										0.5				
6/29/21	Strategy call w experts re submissions, PO #1 and 2.	1			0.75				0.25							
7/1/21	Second strategy call w experts re submissions, Orders 1 and 2.	1.25			1				0.25							
7/6/21	Draft SBUA submission on PO #1.	0.25							0.25							
7/7/21	Rev parties' submissions re PO #1.	0.5							0.5							
7/12/21	Draft cmmts on PO #2.	0.75			0.75											
7/13/21	Rev parties' cmmts on draft issue list.	0.75			0.75											
7/19/21	Read OEB response to cmmts on draft issue list.	0.5			0.5											
7/20/21	Rev Enbridge and other parties' responses to draft issues list.	0.75			0.75											
8/4/21	Confer re client strategy and new counsel at Savoie LaPorte.	0.25										0.25				
8/17/21	Strategy call w M. Seers and D. Ebady.	0.5										0.5				
10/19/21	Read OEB request for addn SBUA info; rsch intervenor guidelines; develop response submission for client.	1.25							1.25							
10/20/21	Edit B. Marra ltr to OEB re SBUA membership and interest; confer w client representative.	1.5							1.5							
10/21/21	Finalize SBUA ltr response to OEB; confer w client representative re approval.	0.5							0.25			0.25				
	Totals:	19.25	3.75	0	5.75	1	0	0	5.25	0	0	3.5	0	0	0	0

CASE EB-2021-0002: Rates: Policy-Related: Enbridge Gas Inc.	COST CLAIM EB-2021-0002 : 1 : Sebastian Melo	INTERVENOR NAME Melo, Sebastian; +1 (416) 886-7154 sebastian.melo@savoielaporte.co m	PARTICIPANT CLAIM STATUS Submitted
FILING PARTICIPANT	NEW PARTICIPANT Yes	NON-FILING PARTICIPANT F. NAME Francis	NON-FILING PARTICIPANT L. NAME Wyatt
SERVICE PROVIDER TYPE Consultant	YEAR CALLED TO BAR	COMPLETED YEARS PRACTICING/YEARS OF RELEVANT EXPERIENCE 30	HOURLY RATE 330
CV STATUS (FOR CONSULTANT/ANALYST) CV Attached	LAST CV DATE December 05, 2022		HST RATE CHARGED 13.00
HEARINGS Yes	CONSULTATIONS No	DISBURSEMENTS No	

HEARINGS

<u>Name</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Sub Total</u>	<u>HST Rate</u>	<u>HST</u>	<u>Total</u>
Review Application and Evidence						
Review Application and Evidence	36.25	330	11,962.50	13.00	1,555.13	13,517.63
Discovery						
Preparation of Interrogatories	11.00	330	3,630.00	13.00	471.90	4,101.90
Review Interrogatory Responses		330		13.00		
Technical Conference Preparation	4.00	330	1,320.00	13.00	171.60	1,491.60
Technical Conference Attendance	21.25	330	7,012.50	13.00	911.63	7,924.13
Technical Conference Follow Up	20.25	330	6,682.50	13.00	868.73	7,551.23
Issues List						
Preparation	6.75	330	2,227.50	13.00	289.58	2,517.08
Attendance at Issues Conference		330		13.00		
Intervenor Evidence						
Preparation	74.75	330	24,667.50	13.00	3,206.78	27,874.28
Interrogatory Responses	49.00	330	16,170.00	13.00	2,102.10	18,272.10
Preparation of Witness(es) for Attendance at Hearing		330		13.00		
Settlement Conference / ADR						
Preparation		330		13.00		
Attendance		330		13.00		
Preparation of Settlement Proposal		330		13.00		
Attendance at Presentation to Panel		330		13.00		
Oral Hearing						
Preparation	14.75	330	4,867.50	13.00	632.78	5,500.28
Attendance at Oral Hearing	29.50	330	9,735.00	13.00	1,265.55	11,000.55
Submissions						
Written Submissions		330		13.00		
Oral Submissions		330		13.00		
Attendance at Oral Submissions		330		13.00		
Other Attendance						
Other Attendance		330		13.00		
Communication						
With Client		330		13.00		
With Other Parties		330		13.00		
Motions						
Preparation of Motion(s) Materials		330		13.00		
Prepare Submissions on the Motion(s)		330		13.00		
Attendance at Hearing on Motion(s)		330		13.00		
Confidentiality						

Preparation of Application for Confidentiality	330	13.00
Prepare Submissions on Confidentiality	330	13.00
Attendance at Hearing on Confidentiality	330	13.00
Decision		
Review	330	13.00
Rate Order		
Review	330	13.00
Prepare Submission on Rate Order	330	13.00
Total Service Provider Fees		
Total Service Provider Fees:	88,275.00	11,475.78 99,750.78

Attachments

<u>Attachment</u>	<u>Document Type</u>	<u>Import Message</u>
Francis Wyatt's resume.pdf	CV	
GEEG Inv. 2076 for SBUA Ont - 2021-2022.pdf	Invoice	
Green Energy Economics Group, Inc's time dockets.pdf	Time Docket	

Hearings, Consultations, Disbursements Attachments

<u>Attachment</u>	<u>Related Disbursement Claim</u>	<u>Document Type</u>	<u>Claim Type</u>	<u>Import Message</u>
Francis Wyatt's resume.pdf		CV	Hearings	
GEEG Inv. 2076 for SBUA Ont - 2021-2022.pdf		Invoice	Hearings	
Green Energy Economics Group, Inc's time dockets.pdf		Time Docket	Hearings	

Budgets

CAD	USD	
\$ 30,000	\$ 22,500	Preparing Evidence
\$ 18,000	\$ 13,500	Interrogatories, Technical Conference, Oral hearings
\$ 48,000	\$ 36,000	Total
USD/CAD	0.75	

Total								
Hours Spent								
Row Labels	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Grand Total	
Grand Total	130.0	148.0	21.0	64.0	105.3	61.8	466.6	
2021	130.0	148.0	21.0	-	-	-	235.6	
Jun	4.5	-	-	-	-	-	4.5	
Jul	21.3	-	-	-	-	-	21.3	
Aug	53.5	-	-	-	-	-	53.5	
Sep	6.7	-	-	-	-	-	6.7	
Oct	8.5	9.0	-	-	-	-	17.5	
Nov	2.3	110.4	-	-	-	-	112.6	
Dec	-	9.0	10.5	-	-	-	19.5	
2022	-	-	-	64.0	105.3	61.8	231.0	
Jan	-	-	-	63.5	-	-	63.5	
Feb	-	-	-	0.5	17.0	-	17.5	
Mar	-	-	-	-	88.3	49.3	137.5	
Apr	-	-	-	-	-	12.5	12.5	

Francis Wyatt							
Rate (CAD) \$ 330							
Hours Spent							
Row Labels	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total
Grand Total	44.3	74.0	10.5	49.0	57.5	32.3	267.5
2021	44.3	74.0	10.5	-	-	-	128.8
Jun	2.5	-	-	-	-	-	2.5
Jul	20.3	-	-	-	-	-	20.3
Aug	6.3	-	-	-	-	-	6.3
Sep	4.5	-	-	-	-	-	4.5
Oct	8.5	-	-	-	-	-	8.5
Nov	2.3	67.0	-	-	-	-	69.3
Dec	-	7.0	10.5	-	-	-	17.5
2022	-	-	-	49.0	57.5	32.3	138.8
Jan	-	-	-	49.0	-	-	49.0
Feb	-	-	-	-	11.3	-	11.3
Mar	-	-	-	-	46.3	25.8	72.0
Apr	-	-	-	-	-	6.5	6.5

Theo Love							
Rate (CAD) \$ 290							
Hours Spent							
Row Labels	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total
Grand Total	44.3	74.0	10.5	15.0	47.8	29.5	157.6
2021	44.3	74.0	10.5	-	-	-	65.3
Jun	2.0	-	-	-	-	-	2.0
Jul	1.0	-	-	-	-	-	1.0
Aug	5.8	-	-	-	-	-	5.8
Sep	2.2	-	-	-	-	-	2.2
Oct	-	9.0	-	-	-	-	9.0
Nov	-	43.4	-	-	-	-	43.4
Dec	-	2.0	-	-	-	-	2.0
2022	-	-	-	15.0	47.8	29.5	92.3
Jan	-	-	-	14.5	-	-	14.5
Feb	-	-	-	0.5	5.8	-	6.3
Mar	-	-	-	-	42.0	23.5	65.5
Apr	-	-	-	-	-	6.0	6.0

Total								
CAD\$								
Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Grand Total		
\$ 34,490	\$ 45,880	\$ 6,510	\$ 20,520	\$ 32,823	\$ 19,198	\$ 141,020		
\$ 34,490	\$ 45,880	\$ 6,510	\$ -	\$ -	\$ -	\$ 68,480		
\$ 1,405	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,405		
\$ 6,973	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,973		
\$ 10,785	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,785		
\$ 2,113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,113		
\$ 2,805	\$ 2,610	\$ -	\$ -	\$ -	\$ -	\$ 5,415		
\$ 743	\$ 34,691	\$ -	\$ -	\$ -	\$ -	\$ 35,434		
\$ -	\$ 2,890	\$ 3,465	\$ -	\$ -	\$ -	\$ 6,355		
\$ -	\$ -	\$ -	\$ 20,520	\$ 32,823	\$ 19,198	\$ 72,540		
\$ -	\$ -	\$ -	\$ 20,375	\$ -	\$ -	\$ 20,375		
\$ -	\$ 0.5	\$ -	\$ 145	\$ 5,380	\$ -	\$ 5,525		
\$ -	\$ -	\$ -	\$ -	\$ 27,443	\$ 15,313	\$ 42,755		
\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,885	\$ 3,885		

Francis Wyatt							
Rate (CAD) \$ 330							
Hours Spent							
Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total	
\$ 14,603	\$ 24,420	\$ 3,465	\$ 16,170	\$ 18,975	\$ 10,643	\$ 88,275	
\$ 14,603	\$ 24,420	\$ 3,465	\$ -	\$ -	\$ -	\$ 42,488	
\$ 825	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 825	
\$ 6,683	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,683	
\$ 2,063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,063	
\$ 1,485	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,485	
\$ 2,805	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,805	
\$ 743	\$ 22,110	\$ -	\$ -	\$ -	\$ -	\$ 22,853	
\$ -	\$ 2,310	\$ 3,465	\$ -	\$ -	\$ -	\$ 5,775	
\$ -	\$ -	\$ -	\$ 16,170	\$ 18,975	\$ 10,643	\$ 45,788	
\$ -	\$ -	\$ -	\$ 16,170	\$ -	\$ -	\$ 16,170	
\$ -	\$ -	\$ -	\$ -	\$ 3,713	\$ -	\$ 3,713	
\$ -	\$ -	\$ -	\$ -	\$ 15,263	\$ 8,498	\$ 23,760	
\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,145	\$ 2,145	

Theo Love							
Rate (CAD) \$ 290							
Hours Spent							
Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total	
\$ 12,833	\$ 21,460	\$ 3,045	\$ 4,350	\$ 13,848	\$ 8,555	\$ 45,690	
\$ 12,833	\$ 21,460	\$ 3,045	\$ -	\$ -	\$ -	\$ 18,937	
\$ 580	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 580	
\$ 290	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 290	
\$ 1,668	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,668	
\$ 628	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 628	
\$ -	\$ 2,610	\$ -	\$ -	\$ -	\$ -	\$ 2,610	
\$ -	\$ 12,581	\$ -	\$ -	\$ -	\$ -	\$ 12,581	
\$ -	\$ 580	\$ -	\$ -	\$ -	\$ -	\$ 580	
\$ -	\$ -	\$ -	\$ 4,350	\$ 13,848	\$ 8,555	\$ 26,753	
\$ -	\$ -	\$ -	\$ 4,205	\$ -	\$ -	\$ 4,205	
\$ -	\$ -	\$ -	\$ 145	\$ 1,668	\$ -	\$ 1,813	
\$ -	\$ -	\$ -	\$ -	\$ 12,180	\$ 6,815	\$ 18,995	
\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,740	\$ 1,740	

Walden Kiker								Rate (CAD) \$ 170							
Hours Spent								CAD\$							
Row Labels	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total	Initial Research	Preparing Evidence	Other Evidence Review	Interrogatories	Tech Conference	Hearings	Total	
Grand Total	41.5						41.5	\$ 7,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,055	
2021	41.5						41.5	\$ 7,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,055	
Jun								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Jul								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Aug	41.5						41.5	\$ 7,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,055	
Sep								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Oct								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Nov								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Dec								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2022								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Jan								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Feb								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

Sum of Duration (hours)	Column Labels																				
	Francis Wyatt						Francis Wyatt Total	Theodore Love					Theodore Love Total	Walden Kiker		Walden Kiker Total	(blank)	(blank) Total	Grand Total		
Row Labels	Initial Research	Interrogatories	Other Evidence Review	Preparing Evidence	Tech Conference	Hearings		Initial Research	Interrogatories	Preparing Evidence	Tech Conference	Hearings		Initial Research							
<6/8/21																					
2021	44.3		10.5	74.0			128.8	10.9		54.4			65.3	41.5		41.5			235.6		
Jun	2.5						2.5	2.0					2.0						4.5		
Jul	20.3						20.3	1.0					1.0						21.3		
Aug	6.3						6.3	5.8					5.8	41.5		41.5			53.5		
Sep	4.5						4.5	2.2					2.2						6.7		
Oct	8.5						8.5			9.0			9.0						17.5		
Nov	2.3			67.0			69.3			43.4			43.4						112.6		
Dec			10.5	7.0			17.5			2.0			2.0						19.5		
2022		49.0			57.5	32.3	138.8		15.0		47.8	29.5	92.3						231.0		
Jan		49.0					49.0		14.5				14.5						63.5		
Feb					11.3		11.3		0.5		5.8		6.3						17.5		
Mar					46.3	25.8	72.0				42.0	23.5	65.5						137.5		
Apr					6.5		6.5					6.0	6.0						12.5		
Grand Total	44.3	49.0	10.5	74.0	57.5	32.3	267.5	10.9	15.0	54.4	47.8	29.5	157.6	41.5		41.5			466.6		

Person	Date	Duration (hours)	Category	Phase	Description
Francis Wyatt	6/21/2021	0.25	1. Hours-Consultation	Initial Research	OEB order review.
Francis Wyatt	6/23/2021	0.25	1. Hours-Consultation	Initial Research	Review OEB procedural order.
Francis Wyatt	6/29/2021	2	1. Hours-Consultation	Initial Research	Review Enbridge filings and other docs.
Francis Wyatt	7/2/2021	5	1. Hours-Consultation	Initial Research	Review Enbridge filing and other docs. PO#1 response.
Francis Wyatt	7/9/2021	2	1. Hours-Consultation	Initial Research	Review Enbridge filing and draft issues.
Francis Wyatt	7/12/2021	3.75	1. Hours-Consultation	Initial Research	Draft issues. Review comments.
Francis Wyatt	7/13/2021	1.75	1. Hours-Consultation	Initial Research	Documents review.
Francis Wyatt	7/14/2021	1.5	1. Hours-Consultation	Initial Research	Document review.
Francis Wyatt	7/15/2021	2	1. Hours-Consultation	Initial Research	Document review.
Francis Wyatt	7/19/2021	0.25	1. Hours-Consultation	Initial Research	Review submittals.
Francis Wyatt	7/22/2021	0.25	1. Hours-Consultation	Initial Research	Review submittals.
Francis Wyatt	7/23/2021	0.25	1. Hours-Consultation	Initial Research	Submittal review.
Francis Wyatt	7/29/2021	2	1. Hours-Consultation	Initial Research	Review submittals and documents.
Francis Wyatt	7/30/2021	1.5	1. Hours-Consultation	Initial Research	Review submittals and documents.
Francis Wyatt	8/2/2021	0.25	1. Hours-Consultation	Initial Research	DSM analysis.
Francis Wyatt	8/3/2021	3	1. Hours-Consultation	Initial Research	Document review and analysis.
Francis Wyatt	8/6/2021	3	1. Hours-Consultation	Initial Research	Document review and analysis.
Francis Wyatt	9/9/2021	0.5	1. Hours-Consultation	Initial Research	Review OEB decision and issues list.
Francis Wyatt	9/13/2021	0.75	1. Hours-Consultation	Initial Research	Call to discuss.
Francis Wyatt	9/15/2021	0.5	1. Hours-Consultation	Initial Research	Review OEB staff evidence description.
Francis Wyatt	9/16/2021	1.5	1. Hours-Consultation	Initial Research	Draft issues to be covered in evidence.
Francis Wyatt	9/17/2021	1	1. Hours-Consultation	Initial Research	Draft issues to be covered in evidence.
Francis Wyatt	9/30/2021	0.25	1. Hours-Consultation	Initial Research	Expert evidence.
Francis Wyatt	10/4/2021	0.5	1. Hours-Consultation	Initial Research	Expert evidence letter.
Francis Wyatt	10/21/2021	4.5	1. Hours-Consultation	Initial Research	Interrogatories to Enbridge.
Francis Wyatt	10/22/2021	1	1. Hours-Consultation	Initial Research	Interrogatories to Enbridge.
Francis Wyatt	10/27/2021	2.5	1. Hours-Consultation	Initial Research	Research and prep for evidence.
Francis Wyatt	11/3/2021	1.5	1. Hours-Consultation	Initial Research	Research for evidence.
Francis Wyatt	11/4/2021	0.75	1. Hours-Consultation	Initial Research	Call with OEB staff consultant Optimal Energy.
Francis Wyatt	11/8/2021	0.25	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/16/2021	1.5	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/18/2021	4	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/19/2021	6	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/22/2021	6.5	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/23/2021	6	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/24/2021	6.75	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/26/2021	7	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/28/2021	8	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/29/2021	10	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	11/30/2021	11	1. Hours-Consultation	Preparing Evidence	Evidence Preparation.
Francis Wyatt	12/1/2021	7	1. Hours-Consultation	Preparing Evidence	Evidence preparation.
Francis Wyatt	12/2/2021	1	1. Hours-Consultation	Other Evidence Review	Review other parties' evidence.
Francis Wyatt	12/7/2021	1	1. Hours-Consultation	Other Evidence Review	Review other parties evidence.
Francis Wyatt	12/13/2021	2.5	1. Hours-Consultation	Other Evidence Review	Review evidence
Francis Wyatt	12/14/2021	0.5	1. Hours-Consultation	Other Evidence Review	Review filings.
Francis Wyatt	12/15/2021	0.5	1. Hours-Consultation	Other Evidence Review	Review filings for interrogatories.
Francis Wyatt	12/29/2021	2	1. Hours-Consultation	Other Evidence Review	Review and organize interrogatories.
Francis Wyatt	12/31/2021	3	1. Hours-Consultation	Other Evidence Review	Review and organize interrogatories.
Francis Wyatt	1/3/2022	1	1. Hours-Consultation	Interrogatories	IR review.
Francis Wyatt	1/5/2022	2.75	1. Hours-Consultation	Interrogatories	IR review.
Francis Wyatt	1/6/2022	3	1. Hours-Consultation	Interrogatories	IR review and summary.
Francis Wyatt	1/7/2022	2	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/10/2022	4.25	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/11/2022	6	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/12/2022	4.25	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/13/2022	6.5	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/14/2022	4.5	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/17/2022	7.5	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/18/2022	6	1. Hours-Consultation	Interrogatories	IR responses.
Francis Wyatt	1/19/2022	1.25	1. Hours-Consultation	Interrogatories	IR responses.
Theodore Love	6/8/2021	1	1. Hours-Consultation	Initial Research	Strategy call with counsel.
Theodore Love	6/29/2021	1	1. Hours-Consultation	Initial Research	Strategy discussion and examination of issues.
Theodore Love	7/21/2021	0.75	1. Hours-Consultation	Initial Research	Reviewing reply responses to issues list comments.
Theodore Love	7/23/2021	0.25	1. Hours-Consultation	Initial Research	Reviewing response comments.
Theodore Love	8/2/2021	0.75	1. Hours-Consultation	Initial Research	Enbridge Historical DSM Data review.
Theodore Love	8/9/2021	2.5	1. Hours-Consultation	Initial Research	REviewing historical small business programs.
Theodore Love	8/10/2021	1.25	1. Hours-Consultation	Initial Research	Reviewing historical costs and savings with analyst
Theodore Love	8/11/2021	0.5	1. Hours-Consultation	Initial Research	Meeting reviewing comparison of past performance to projections
Theodore Love	8/17/2021	0.5	1. Hours-Consultation	Initial Research	Reviewing historical spending and savings.

Theodore Love	8/26/2021	0.25	1. Hours-Consultation	Initial Research	Reviewing board order.
Theodore Love	9/13/2021	0.6667	1. Hours-Consultation	Initial Research	Strategy call with Myriam, James
Theodore Love	9/15/2021	1	1. Hours-Consultation	Initial Research	Reviewing issues and generating scope of investigation.
Theodore Love	9/17/2021	0.5	1. Hours-Consultation	Initial Research	Drafting issues list to address.
Theodore Love	10/14/2021	1	1. Hours-Consultation	Preparing Evidence	Reviewing Best practices on SMB Gas programs.
Theodore Love	10/18/2021	0.5	1. Hours-Consultation	Preparing Evidence	Reviewing SMB best practices in MA
Theodore Love	10/19/2021	1.25	1. Hours-Consultation	Preparing Evidence	Reviewing MA plan and evaluations
Theodore Love	10/21/2021	1.25	1. Hours-Consultation	Preparing Evidence	Reviewing MI and MN data
Theodore Love	10/22/2021	1.5	1. Hours-Consultation	Preparing Evidence	Reviewing interrogatories for relevant questions
Theodore Love	10/25/2021	0.5	1. Hours-Consultation	Preparing Evidence	Researching Gas best practices for small businesses.
Theodore Love	10/26/2021	0.5	1. Hours-Consultation	Preparing Evidence	Reviewing data collection
Theodore Love	10/27/2021	2.5	1. Hours-Consultation	Preparing Evidence	Developing outline for evidence. Call with counsel.
Theodore Love	11/1/2021	1.25	1. Hours-Consultation	Preparing Evidence	Research on MI and MN best practices.
Theodore Love	11/4/2021	1.5	1. Hours-Consultation	Preparing Evidence	Preparing evidence on SMB best practices.
Theodore Love	11/10/2021	0.75	1. Hours-Consultation	Preparing Evidence	Guiding research on SMEs in Ontario
Theodore Love	11/12/2021	1	1. Hours-Consultation	Preparing Evidence	Drafting evidence on SMB energy usage
Theodore Love	11/16/2021	1.1333	1. Hours-Consultation	Preparing Evidence	Preparing evidence and reviewing IR Responses.
Theodore Love	11/17/2021	2	1. Hours-Consultation	Preparing Evidence	preparing evidence.
Theodore Love	11/18/2021	2	1. Hours-Consultation	Preparing Evidence	Preparing evidence. meeting with counsel
Theodore Love	11/19/2021	0.75	1. Hours-Consultation	Preparing Evidence	Reviewing interrogatory responses.
Theodore Love	11/22/2021	9	1. Hours-Consultation	Preparing Evidence	Preparing evidence. Developing comparison tables.
Theodore Love	11/23/2021	4	1. Hours-Consultation	Preparing Evidence	Preparing comparison data for evidence.
Theodore Love	11/24/2021	0.25	1. Hours-Consultation	Preparing Evidence	Research check-in
Theodore Love	11/28/2021	10.25	1. Hours-Consultation	Preparing Evidence	Gathering comparison data.
Theodore Love	11/29/2021	4.5	1. Hours-Consultation	Preparing Evidence	Reviewing evidence draft
Theodore Love	11/30/2021	5	1. Hours-Consultation	Preparing Evidence	Drafting evidence.
Theodore Love	12/1/2021	2	1. Hours-Consultation	Preparing Evidence	Finalizing evidence for filing.
Theodore Love	1/11/2022	1.5	1. Hours-Consultation	Interrogatories	interrogatory responses
Theodore Love	1/12/2022	1.25	1. Hours-Consultation	Interrogatories	IR responses.
Theodore Love	1/13/2022	2	1. Hours-Consultation	Interrogatories	Interrogatory response
Theodore Love	1/15/2022	7.5	1. Hours-Consultation	Interrogatories	Responding to IRs from OEB, PP, OFRI, and GPI
Theodore Love	1/18/2022	2.25	1. Hours-Consultation	Interrogatories	Responding to OEB IRs. Reviewing full IR responses.
Theodore Love	2/4/2022	0.5	1. Hours-Consultation	Interrogatories	Meeting with attorney on tech conference prep.
Walden Kiker	8/2/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/2/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/3/2021	1	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/4/2021	3	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/9/2021	0.5	1. Hours-Consultation	Initial Research	Meeting
Walden Kiker	8/9/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/9/2021	3	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/10/2021	1	1. Hours-Consultation	Initial Research	Meeting
Walden Kiker	8/10/2021	1.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/10/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/11/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/11/2021	0.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/11/2021	3.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/16/2021	2.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/16/2021	2.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/17/2021	3	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/18/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/18/2021	1	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/19/2021	3.5	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/20/2021	2	1. Hours-Consultation	Initial Research	EGI SBUA Review
Walden Kiker	8/23/2021	1	1. Hours-Consultation	Initial Research	EGI SBUA Review
Francis Wyatt	2/22/2022	0.5	1. Hours-Consultation	Tech Conference	Prep for Tech Conference.
Francis Wyatt	2/25/2022	3.5	1. Hours-Consultation	Tech Conference	Test Tech Conf. Prep for Tech Conf.
Francis Wyatt	2/28/2022	7.25	1. Hours-Consultation	Tech Conference	Prep for Tech Conference. Attend Tech Conference.
Francis Wyatt	3/1/2022	7	1. Hours-Consultation	Tech Conference	Prep for and attend Tech Conference
Francis Wyatt	3/2/2022	7	1. Hours-Consultation	Tech Conference	Prep for and attend Tech Conference.
Francis Wyatt	3/11/2022	4.5	1. Hours-Consultation	Tech Conference	Undertaking analysis.
Francis Wyatt	3/14/2022	2.5	1. Hours-Consultation	Tech Conference	Undertaking analysis.
Francis Wyatt	3/16/2022	7.5	1. Hours-Consultation	Tech Conference	Undertaking analysis and writeup.
Francis Wyatt	3/17/2022	5.75	1. Hours-Consultation	Tech Conference	Undertaking analysis and writeup.
Francis Wyatt	3/18/2022	1.5	1. Hours-Consultation	Tech Conference	Review undertakings. Presentation.
Francis Wyatt	3/19/2022	1.5	1. Hours-Consultation	Tech Conference	Review undertakings. Presentation.
Francis Wyatt	3/20/2022	2.25	1. Hours-Consultation	Tech Conference	Review undertakings. Presentation.
Francis Wyatt	3/21/2022	2.25	1. Hours-Consultation	Tech Conference	Presentation preparation. Review other presentations.
Francis Wyatt	3/24/2022	4.5	1. Hours-Consultation	Tech Conference	Presentation prep., View other presentations, Present.
Francis Wyatt	3/25/2022	2.75	1. Hours-Hearings	Hearings	Prepare for oral hearings.
Francis Wyatt	3/28/2022	6.25	1. Hours-Hearings	Hearings	Oral Hearings.

Francis Wyatt	3/29/2022	6 1. Hours-Hearings	Hearings	Oral Hearings.
Francis Wyatt	3/30/2022	4.25 1. Hours-Hearings	Hearings	Oral Hearings.
Francis Wyatt	3/31/2022	6.5 1. Hours-Hearings	Hearings	Oral Hearings.
Francis Wyatt	4/1/2022	6.5 1. Hours-Hearings	Hearings	Oral Hearings.
Theodore Love	2/25/2022	0.75 1. Hours-Consultation	Tech Conference	Prep for technical hearings.
Theodore Love	2/28/2022	5 1. Hours-Consultation	Tech Conference	Attending Technical Conference
Theodore Love	3/1/2022	2.25 1. Hours-Consultation	Tech Conference	Technical Conference preparation
Theodore Love	3/1/2022	5 1. Hours-Consultation	Tech Conference	Attending technical conference.
Theodore Love	3/2/2022	7 1. Hours-Consultation	Tech Conference	Attending technical Conference.
Theodore Love	3/11/2022	1 1. Hours-Consultation	Tech Conference	Undertaking analysis
Theodore Love	3/14/2022	3 1. Hours-Consultation	Tech Conference	Undertaking from technical conference.
Theodore Love	3/15/2022	4.25 1. Hours-Consultation	Tech Conference	Undertaking analysis.
Theodore Love	3/16/2022	3 1. Hours-Consultation	Tech Conference	Undertaking analysis.
Theodore Love	3/17/2022	2.25 1. Hours-Consultation	Tech Conference	Finalizing undertaking analysis
Theodore Love	3/18/2022	4.5 1. Hours-Consultation	Tech Conference	Preparing presentation for Presentation day .
Theodore Love	3/20/2022	3.75 1. Hours-Consultation	Tech Conference	Preparing presentation slides.
Theodore Love	3/21/2022	0.5 1. Hours-Consultation	Tech Conference	Finalizing presentation slides.
Theodore Love	3/23/2022	1 1. Hours-Consultation	Tech Conference	Practice for presentation
Theodore Love	3/24/2022	4.5 1. Hours-Consultation	Tech Conference	Attending and presenting at Presentation day.
Theodore Love	3/28/2022	5.75 1. Hours-Hearings	Hearings	Preparing for and attending hearings.
Theodore Love	3/29/2022	4.25 1. Hours-Hearings	Hearings	Attending hearings.
Theodore Love	3/30/2022	6.5 1. Hours-Hearings	Hearings	Attending hearings
Theodore Love	3/31/2022	7 1. Hours-Hearings	Hearings	Attending hearings.
Theodore Love	4/1/2022	6 1. Hours-Hearings	Hearings	Hearing preparation and attending hearings.

RESUME

Francis E. Wyatt, P.E.
President, Green Energy Economics Group, Inc.
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Mr. Wyatt has over 30 years of experience in the energy efficiency field, during which he has reviewed, critiqued, analyzed, and assisted with electric, gas and other fuels demand-side management (DSM) program planning, design and implementation. He has particular expertise in the commercial and industrial sectors and cost-effectiveness screening and model development. Mr. Wyatt has developed several technical reference manuals for gas and electric savings. He has played key roles in developing several efficiency and renewable economically achievable potential studies. Mr. Wyatt has collected, analyzed, and compared the DSM spending and savings by sector from many jurisdictions over the last 30 years.

PROFESSIONAL EXPERIENCE

November 2005 – Present

*President, **Green Energy Economics Group, Inc.**, Cuttingsville, VT.*

Consultancy specializing in energy-efficiency and renewable resource portfolios investing in electricity and gas savings, co-founded with John Plunkett, a co-worker since 1992. Develop cost-effectiveness screening models for program planning or project-specific analysis. Develop input assumptions for demand-side management programs cost-effectiveness screening. Work on analyses projecting economic and achievable energy-savings potentials. Plan, design and assist with implementation of efficiency programs.

1996 – 2005

*Senior Analyst, **Optimal Energy, Inc.**, Bristol, VT.*

Developed state- or utility-specific cost-effectiveness screening models for program planning or implementation. Provide follow-up on-site training for using screening models. Develop demand-side management programs, including costs, savings, incentive structure and screening for cost-effectiveness. Focus on commercial and industrial programs and energy-saving measures. Review and critique of utility IRP filings in contested regulatory proceedings. Work on electric and gas analyses projecting technical, economic, and achievable energy-savings potentials. Developed electric energy and peak load profiles for a comprehensive list of residential and non-residential efficiency measures.

1992 – 1996

*Analyst, **Resource Insight, Inc.**, Middlebury, VT.*

Reviewed, critiqued, and compared utility demand-side management programs. Analyses included program costs, energy impacts, customer participation, program descriptions, implementation, and comparison with other utility programs.

1989 – 1992

*Civil Engineer, **Enman Engineering**, Clarendon, VT.*

Designed sewage disposal systems, water systems, roads, site grading and storm drainage. Drafted plans using AutoCAD. Conducted preliminary site investigations and construction observations. Assisted clients with obtaining state and local permits.

1987 – 1989

*Civil Engineer, **Nowlan Engineering**, Ludlow, VT.*

Designed and drafted sewage disposal systems and water supply. Assisted clients with obtaining town and state permits for subdivisions, sewage disposal and water supply.

1984 – 1985

*Solar Engineer, **Environmental Solar Design**, N. Hollywood, CA.*

Designed solar hot water systems, purchased all parts for installations, obtained city permits, coordinated crews and customers for job installations, and installed solar hot water systems for commercial and residential customers.

EDUCATION

B.S., Agricultural Engineering, University of Missouri, Columbia, Missouri, 1982.

B.S., Agriculture, Agricultural Mechanization, University of Missouri, Columbia, Missouri, 1982.

Member, Tau Beta Pi, an honorary engineering society.

AFFILIATIONS

Professional Engineer in Civil/Sanitary, State of Vermont, Vermont Society of Professional Engineers.

HIGHLIGHTS OF PROJECT EXPERIENCE

ONGOING AND PAST ASSIGNMENTS (GEEG) – 2006-PRESENT

Nova Scotia

Consumer Advocate of Nova Scotia

- Provided review and comments on proposed DSM portfolio and DSM potential study. Member of the DSM Advisory Group (DSMAG). 2019 - Present.

California

Small Business Utility Advocate

- Provided testimony on the Energy Efficiency Business Plans for the 2024-2027 Portfolio and comments on staff proposal for gas energy efficiency incentives and codes and standards sub-programs and budgets (Do. No. 22-02-005)
- Provided comments for ongoing docket on clean energy financing (Do. No. 20-08-022)

- Provided comments on program design of CleanPowerSF's Food Service Program (Do. No R13-11-05)

Vermont

- Reviewed and analyzed program proposals for the Community Energy & Efficiency Development Fund (CEED Fund), including the development of scoring and rebalancing mechanisms and reviewing and revising cost-effectiveness analyses for consistent comparisons for innovative concepts not already addressed by conventional DSM programs. August 2012 – 2017.
- Cost-effectiveness screening model and analysis for 5-year investment of \$9 million Energy Efficiency Fund, supplementing Efficiency Vermont investment, on behalf of Green Mountain Power. February 2007 – 2010.
- Worked on development of the efficiency portions of the economic model used for assessing the options for meeting the reliability gap in the St. Albans region of Vermont for Green Mountain Power. 2013.
- Providing technical support for program planning, development and implementation for Efficiency Vermont, the world's first Energy Efficiency Utility, as part of multi-organizational enterprise operating under a contract with the Vermont Public Service Board to deliver statewide energy-efficiency programs for the customers of Vermont's twenty-one electric utilities. Cost-effectiveness screening tool development, maintenance and training. Technical support on program planning, including development of technical reference manual for efficiency measures. Developed energy and peak load profiles for residential and non-residential efficiency measures. Forecasting and bidding tool development for ISO New England forward capacity market. 2000 – 2014.
- Assist Vermont Gas Systems with transition to an energy efficiency utility. Represent VGS at multifamily and commercial benchmarking working group meetings. July 2015 – 2017.

New Jersey

- Participated in developing the analysis for electric and natural gas energy efficiency potential in New Jersey for the New Jersey Board of Public Utilities. 2019.

Pennsylvania

- Program design, implementation planning, regulatory support, technical reference manual development and portfolio cost-effectiveness tool for Columbia Gas of Pennsylvania. Assisted with testimony before the Pennsylvania Public Utility Commission in Docket No. P-2014-2459362. February 2022 – Present.
- Program design, implementation planning, regulatory support, technical reference manual development and portfolio and project cost-effectiveness tools for Philadelphia Gas Works.

Assisted with testimonies before the Pennsylvania Public Utility Commission in Docket R-2009-2139884, December 2009 and April 2010 and Docket P-2014-2459362, 2015. August 2008 – present.

- Program design, implementation planning, regulatory support, technical reference manual development and portfolio and project cost-effectiveness tools for UGI Gas, including a CHP program. July 2015 – present.
- Energy efficiency program design and implementation assistance, including cost-effectiveness analysis and net-to-gross ratios for UGI Electric. July 2016 – present.
- High-level achievable potential analysis and subsequent portfolio design and cost-effectiveness analysis for Peoples Natural Gas of Pennsylvania. June 2017 – 2019.
- Provided energy-efficiency potential analysis and support on preparation of testimony regarding Peoples Gas of Pennsylvania. On behalf of Citizens for Pennsylvania's Future, July – September 2013.
- Analysis and assistance with direct and surrebuttal testimony for Citizens for Pennsylvania's Future (Pennfuture) on appropriate levels of efficiency portfolio investment in two rate cases before the Pennsylvania Public Utility Commission: Docket Nos. 00061366 and 00061367 re Metropolitan Edison Company and Pennsylvania Electric Company; and Docket No. R-00061346 re Duquesne Light Company. May - August 2006.

Wisconsin

- Portfolio and project cost-effectiveness calculator development. Cost-effectiveness analysis, assistance with contractor selection and regulatory support for 3-year energy-efficiency portfolio for Focus on Energy in Wisconsin. June 2011 – 2013.

Louisiana

- Empirical costs projections and cost-effectiveness analysis of alternative energy-efficiency resource acquisition scenarios for Entergy New Orleans, prepared for the Alliance for Affordable Energy and submitted as comments to the City Council. April-May 2013.

Minnesota

- Subcontractor to Optimal Energy Inc. for the state of Minnesota electric and gas potential studies for the Minnesota Department of Commerce, Division of Energy Resources. Developed agricultural measure characterizations. June 2017 - January 2018.

Texas

- Cost and savings analysis on proposed Public Utility Commission rules for utilities pursuing statutory DSM savings goals, on behalf of the Sierra Club. May-June 2012.

- Analysis of and report on achievable savings and costs for Austin City Council consumer advocate, "Energy Efficiency Resource Acquisition Options for Austin Energy." April 2012.

District of Columbia

- Developed multi-measure cost-effectiveness screening tool for the District of Columbia Sustainable Energy Utility, as a subcontractor to Vermont Energy Investment Corporation. November 2011 – 2014.

Illinois

- Portfolio and project cost-effectiveness calculator development. Cost-effectiveness analysis, assistance with contractor selection and regulatory support for 3-year energy-efficiency portfolio for Peoples Gas in Illinois. September 2008 – June 2012.

Oklahoma

- Energy efficiency potential analysis in support of comments on PUC rulemaking regarding DSM programs on behalf of the Sierra Club, December 2013 – January 2014.
- Analysis, technical assistance and testimony support on potential for energy-efficiency investment to substitute for fossil generation in proceedings before the Oklahoma Commerce Commission on behalf of the Sierra Club, May - December 2011.

Connecticut

- Analysis and testimony support regarding long-range energy-efficiency procurement plan of the Energy Conservation Management Board, on behalf of the Connecticut Office of Consumer Counsel. Fall 2008.

Florida

- Analysis and assistance with direct testimony on the effect of economically achievable energy efficiency on the need for new coal-fired generation, on behalf of the Sierra Club and other environmental intervenors, Florida Public Service Commission Docket No. 070098-EI. March-April 2007. The PSC denied the requested certificate of public good in June 2007.

British Columbia, Canada

- Analysis and testimony support on FortisBC Gas and FortisBC Electric long-term DSM plans, submitted to the British Columbia Utilities Commission, on behalf of the BC Sustainable Energy Association and Sierra Club (BC Chapter). December 2013 – May 2014.
- Analysis and testimony support on adequacy of BC Hydro's 2012-14 DSM Plan, submitted to the British Columbia Utilities Commission, BCUC Project No. 3698592, on behalf of the BC Sustainable Energy Association and Sierra Club (BC Chapter). August 2011 – May 2012.

- Analysis and testimony support on reasonableness of gas DSM Plan by Fortis Energy Utilities before the British Columbia Utilities Commission, BCUC Project No. 3698627, on behalf of the BC Sustainable Energy Association and Sierra Club (BC Chapter), May – November 2011.
- Analysis and testimony support on assessment of FortisBC Electric's long-term DSM plan, before the BCUC, on behalf of BCSEA/SCBC, August 2011 – March 2012.
- Analysis and support for direct testimony on assessment of BC Hydro's long-term DSM plan, before the BCUC, on behalf of the BC Sustainable Energy Association and Sierra Club Canada. November 2008 – March 2009. October 2011 –present.
- Analysis and support for direct testimony on assessment of Terasen Gas conservation plans before the BCUC, on behalf of the BC Sustainable Energy Association and Sierra Club Canada. October 2008.
- Provided analysis for direct testimony on energy-efficiency investment spending and savings, British Columbia Hydro and Power Authority, 2006 Integrated Electricity Plan and Long Term Acquisition Plan, Project No. 3698419; and F2007/F2008 Revenue Requirements Application, Project No. 3698416, on behalf of the Sierra Club of Canada (British Columbia Chapter), British Columbia Sustainable Energy Association, and Peace Valley Environment Association. September 2006 – January 2007.

People's Republic of China

- Developed portfolio and project economic and financial analysis tools for use in China, and provided remote and in-person training sessions on use. For Natural Resources Defense Council and Institute for Sustainable Communities. August 2008 – September 2010.
- Conducted economic and financial analysis and report for factory efficiency retrofits for Guangdong Economic and Trade Commission, China, on behalf of the Institute for Sustainable Communities October 2007-2008.
- Developed and populated project and portfolio economic and financial models for a pre-feasibility analysis for the Asian Development Bank of a potential loan to support a \$100 million demonstration Efficiency Power Plant (EPP) project in Guangdong province, China, focusing on industrial, commercial and institutional retrofits. June 2006 – December 2007.
- Developed cost-effectiveness screening model and conducted benefit/cost analysis of efficiency program portfolios for Jiangsu province and Shanghai municipality, including assessment of 300-MW Efficiency Power Plants for prospectus by Asian Development Bank. Conducted economic and financial analyses and reports for factory efficiency retrofits Worked on behalf of the Natural Resources Defense Council. (July 2003 – 2008)

PRIOR ASSIGNMENTS (OPTIMAL ENERGY) – 1996-2005

- Developed DSM measure and program cost-effectiveness screening tools to be used by Massachusetts utilities and led training sessions for using the tool. Derived measure and program screening inputs for commercial and industrial programs considered by Boston Edison Company and Commonwealth Electric and Gas Company, for the Massachusetts

Collaborative Non-Utility Parties. Developed cost-effectiveness protocols for measures to be installed in a small commercial retrofit program. Developed a custom measure cost-effectiveness and rebate-calculating tool. (1999 –2005)

- Developed DSM custom commercial and industrial measure cost-effectiveness and rebate-calculating screening tool for Cape Light Compact and NSTAR and led training sessions for using the tool. Derived measure screening inputs for commercial and industrial programs. (2003 – 2006)
- Developed cost-effectiveness screening model and assisted with analysis for assessment of economically achievable potential for distributed resources to solve a variety of transmission and distribution contingencies in the “southern loop” of Vermont, on behalf of the Vermont Electric Power Company and Central Vermont Public Service. (2005-2006)
- Part of team estimating the economic and achievable efficiency potentials for natural gas savings in New York State. Developed the portfolio cost-effectiveness screening model used in the analysis. Developed input assumptions for the commercial sector. Integrated the residential, commercial and industrial analyses. (July 2005 – March 2006)
- Developed demand-side management portfolio and project cost-effectiveness screening models for New Brunswick, Canada. Provided training on use of models. (2005-2006)
- Consultant to the Long Island Power Authority in developing and analyzing a portfolio of C&I market transformation and retrofit programs. The project included performance of measure and program level quantitative cost-effectiveness analysis and budgeting, relying on both primary and secondary data sources. Involved with follow-up implementation and evaluation planning tasks, including specific rebate levels, efficiency requirements, savings algorithms, and developing a custom measure cost-effectiveness and rebate-calculating tool. (1998 – 2006)
- Performed analysis of economically achievable potential for energy-efficiency resources to offset loss of output in the event of early retirement of the Indian Point nuclear generation station, on behalf of the National Academy of Sciences. (May-October 2005)
- Developed technical reference manual with savings algorithms and performed analysis for written testimony recommending energy-efficiency portfolio investment levels and savings goals in utility merger application before the Pennsylvania Public Utility Commission, Joint Application of PECO Energy Company and Public Service Electric and Gas Company for Approval of the Merger of Public Service Enterprise Group with and into Exelon Corporation, on behalf of the Pennfuture Parties. (June 2005)
- Consultant to the Northeast Energy Efficiency Partnerships, a regional nonprofit pursuing market transformation in efficiency markets. Developed demand-side management program cost-effectiveness screening model. Economic analysis and report on cost-effectiveness of NEEP initiatives involving C&I motors, C&I lighting, C&I HVAC, C&I New Construction, performance of existing C&I buildings, industrial efficiency, clothes washers, and residential lighting. Cost-effectiveness of codes and standards analyses. Estimated potential electricity savings for New England. (1998 – 2005)

- Provided review and advice on development of demand-side management project, program and portfolio cost-effectiveness software for BC Hydro (Canada). (2004)
- Contributed to commercial and industrial analysis for report on Opportunities for Accelerated Electrical Energy Efficiency in Quebec 2005 – 2012, on behalf of Regroupement National des Conseils Regionaux de L'environnement du Quebec, Regroupement des Organismes Environnementaux en Energie and Regroupement pour la Responsabilite Sociale des Entreprises. (April – May 2004)
- Developed cost-effectiveness screening model and screened agricultural efficiency measures for EnSave Energy Performance, Inc. (2004)
- Provided support for report on performance incentives for administrators of conservation and load management programs in Connecticut, on behalf of Connecticut Office of Consumer Counsel. (November – December 2003)
- Integration of industrial, commercial, residential, and renewable results; cost-effectiveness screening tool creation; and commercial analyses assessing technical, achievable and economic potential for energy-efficiency and renewable resources in New York State and five sub regions over 5, 10 and 20 years, on behalf of New York State Research and Development Authority. (January 2002 – August 2003)
- Integration of industrial, commercial, and residential results; cost-effectiveness screening tool creation; and commercial and industrial analyses projecting potential for demand-side resources to defer the need for major transmission upgrades, on behalf of Vermont Electric Power Company. (November 2001 – April 2003)
- Integration of industrial, commercial, and residential results; cost-effectiveness screening tool creation; and commercial and industrial analyses updating statewide projection of economically achievable efficiency potential for state of Vermont, on behalf of the Vermont Department of Public Service. (October 2001 – February 2003)
- Contributed to commercial and industrial analysis for report on potential for energy efficiency in Michigan, on behalf of the American Council for an Energy-Efficient Economy. (September – December 2002)
- Contributed to commercial and industrial analysis for report on potential for electrical efficiency savings in Maine, on behalf of the Maine Public Advocate. (July – October 2002)
- Consultant to the New Jersey Clean Energy Collaborative – developed the program cost-effectiveness screening model used for planning purposes, developed the commercial custom cost-effectiveness measure screening tool used in program implementation, and conducted program cost-effectiveness screening for the commercial and industrial efficiency programs (2000 – 2001)
- Provided support for the assessment of Centra/Union Gas (Canada) DSM programs, for the Green Energy Coalition. (1996)

- Provided technical support to the United Illuminating Company with its cost-effectiveness screening of proposed DSM programs. Developed cost-effectiveness screening tool and provided training on its use. Reviewed inputs and assured proper use of the screening tool. (1999)
- Characterization of efficiency resources, DSM program design, evaluation of program design and implementation procedures for Citizens Utilities Company. Developed commercial and industrial measure characterizations and savings algorithms. (1998 – 1999)
- Support to the Burlington (VT) Electric Department in development of its 1997 Energy Efficiency Plan. Services included program planning, measure characterization and program design. (1997)
- Contributed to the design, analysis and negotiation of commercial, industrial and residential core DSM programs for the state of Vermont, for the Vermont Department of Public Service. These core programs became the basis for Vermont's Efficiency Utility. Work included establishing baseline efficiencies; estimates of energy-efficient measure costs, savings and participation; cost-effectiveness screening of measures and programs. (1995 – 1999)
- Developed rebate-calculating and cost-effectiveness spreadsheet for commercial comprehensive early HVAC retirement, for Potomac Electric Power Company. (1997)
- Reviewed measure and program screening of commercial, industrial and residential DSM programs, for the Maryland Office of People's Counsel. Offering suggestions for more accurate screening assumptions and improvements in program designs to increase cost-effectiveness. (1997)

PRIOR ASSIGNMENTS (RESOURCE INSIGHT) – 1992-1996

- Technical assistance on DSM program development in the Potomac Electric Power Company collaborative, for the Maryland Office of People's Counsel. Work included characterizing new energy-efficiency measures and screening for cost-effectiveness, primarily in the commercial sector. Contributed toward the development of baseline and minimum-qualifying efficiencies, and incentive structures. (1992 – 1997)
- Developed costs and savings of commercial and industrial DSM program enhancements for Florida Power Corporation, for the Legal Environmental Assistance Fund and Florida Power Corporation. (1996)
- Reviewed Jersey Central Power and Light's proposed commercial and industrial DSM programs, for the Mid-Atlantic Energy Project. Suggested specific improvements to programs. (1995 – 1996)
- Provided analysis used in negotiations with MidAmerican Energy Company on IRP and DSM program design issues, on behalf of the Iowa Office of Consumer Advocate. Contributed toward the development of innovative Comprehensive Early HVAC Retirement programs for the commercial market. Quantified all program impacts and costs, and performed economic analysis of the program. (1995)

- Contributed to development of commercial and industrial new construction and HVAC retirement programs for Interstate Power, on behalf of the Iowa Office of Consumer Advocate. Quantified measure and program projected impacts and costs. Support for revisions to Interstate Power's IRP filing to include the above programs. (1995)
- Provided analysis for a critical review of Florida Power and Light's integrated resource plan. This project involved assessing the completeness and appropriateness of FPL's IRP process and outcomes, focusing on the development, analysis and screening of its proposed commercial and industrial DSM programs, for the Legal Environmental Assistance Fund. (1995)
- Analysis and testimony regarding fuel-switching and other DSM program options. Before the Vermont Public Service Board Investigation into Least-Cost Investments, Energy Efficiency, Conservation and Management of Demand for Energy In Re: Fuel-Switching Issues Specific to CVPS Docket 5270-CV-1 In Re: CVPS program designs Docket 5270-CV-3, for the Vermont Department of Public Service, (November 1994 – October 1995)
- Technical assistance analyzing need for power and DSM program changes. Delmarva Power & Light Company Dorchester Power Plant Certificate of Public Convenience and Necessity. Maryland PSC Case No. 8489, for the Maryland Office of People's Counsel. (January 1993)
- Estimated the economically achievable electrical efficiency savings for residential, commercial/industrial, lost-opportunity and retrofit markets in the United Kingdom, for the Conservation Law Foundation. (1993)
- Support for the quantification of costs, savings and cost effectiveness screening of a full portfolio of proposed demand-management programs for Ontario Hydro (Canada), for the Coalition of Environmental Groups. (1992)
- Provided technical assistance for determining DSM potential savings. In the matter of the application of the Detroit Edison Company for authority to amend its rate schedules governing the supply of electric energy and to amend other miscellaneous rates, for the Michigan United Conservation Clubs. Michigan PSC Case No. U-10102. (November 1992)

PRIOR ASSIGNMENTS (ENVIRONMENTAL SOLAR DESIGN) – 1984-1985

- Designed, permitted and installed solar hot water systems for commercial and residential customers. (1984-1985)