Jeffrey A. Dubin, Ph.D. Blaine Gilles, Ph.D. Lawrence R. Kaufmann, Ph.D. Mark N. Lowry, Ph.D.



March 5, 2019

Guy Sarault Bissonnette Fortin Giroux 490 Laviolette St-Jérôme, Qc Canada J7Y-2T9

RE: Hydro Quebec Transmission, Proceeding 4058-2018

Billing for professional services rendered through February 2019 in accordance with the agreement between l'Association Québécoise des Consommateurs Industriels d'Electricité (AQCIE) and Pacific Economics Group Research, LLC.

Fees and Expenses through February 2019 \$ 130,883.36 (CAD)

TOTAL AMOUNT DUE \$ 130,883.36 (CAD)

Please Make Checks Payable To:

Pacific Economics Group Research, LLC 44 E. Mifflin Street Suite 601 Madison, WI 53703

Privileged and Confidential

Pacific Economics Group Research, LLC

Professional Fees and Expenses

l'Association Québécoise des Consommateurs Industriels d'Electricité (AQCIE)

Through February 2019

Professional Fees:		Hours	Rate		Amount
Review Evidence and Pr					
Mark N. Lowry President	Background research Supervise empirical work	15.25 5.50	\$350 \$350	\$ \$	5,337.50 1,925.00
resident	Prepare Information Requests to HQT	4.50	\$350	\$	1,575.00
			****		.,
David Hovde		51.50	\$250	\$	12,875.00
Vice-President	Project review and transmission database				
	Background research and data for Kahn X				
Matt Makos	factor	10.25	\$160	\$	1,640.00
Consultant	Assist with Interrogatories	6.50	\$160	\$	1,040.00
Zachary Legge	Empirical work	19.00	\$160	\$	3,040.00
Economist II				\$	-
Gretchen Waschbusch	Assist with interrogatories	2.50	\$140	\$	350.00
Office Manager					
Subtotal - Research & Interro	ogatories to HQT			\$	27,782.50
Prepare Evidence (Octob					
Mark N. Lowry	Prepare report	65.25	\$350	\$	22,837.50
President	Supervise empirical work	3.75	\$350	\$	1,312.50
David Hovde	Transmission empirical work	32.75	\$250	\$	8,187.50
/ice-President				\$	-,
Matt Makos	Assist with evidence	75.25	\$160	\$	12 040 00
viatt iviakos Consultant	Assist Will EVIUGITUE	75.25	\$160	ф	12,040.00
	Assist with ampirical week	E2 00	¢460	•	0 220 02
Zachary Legge Economist	Assist with empirical work	52.00	\$160	\$	8,320.00
		46	4	_	
Gretchen Waschbusch	Assist with edits to evidence	19.25	\$140	\$	2,695.00
Office Manager					
Jennie Deuster-Loesch	Assist with citations	0.50	\$125	\$	62.50
Consultant					
Rebecca Kavan	Assist with translation of HQT's filing	3.00	\$125	\$	375.00
ntem					
Sakshi Singh	Assist with empirical research	7.00	\$125	\$	875.00
ntern					
Subtotal - Prepare Evidence				\$	56,705.00
Respond to Information	Requests (December)				
Mark N. Lowry	Prepare responses to interrogatories	13.50	\$350	\$	4,725.00
President					
Matt Makos	Assist with draft responses	13.00	\$160	\$	2,080.00
Consultant			****	•	_,
	A				
Zachary Legge	Assist with responses regarding the service quality incentive mechanism	13.00	\$160	\$	2,080.00
Economist II	, monare monarism	.0.50	Ų100	Ψ	2,300.00
Gretchen Waschbusch	Acciet with reconnece	1.75	\$140	\$	245.00
Fretchen Waschbusch Office Manager	Assist with responses	1./5	φ14U	Ф	245.00
-					0.400.00
Subtotal - IR Responses	usel and Oral Tastima (!			\$	9,130.00
iearing Preparation, Tra	vel, and Oral Testimony (January)				
Mark N. Lowry	Prepare for oral testimony, travel to Montreal, attend hearing, and testify ¹	73.50	\$350	\$	25,725.00
President		. 5.50	4000	Ψ	20,. 20.00
	Witness preparation and listen to hearing				
Matt Makos	and respond to requests for clarification	24.25	\$160	\$	3,880.00
Consultant					
	Empirical research on transmission				
	productivity	8.00	\$160	\$	1,280.00
Zachary Legge	productivity				
	productivity				
Economist II	Assist with hearing presentation	6.75	\$140	\$	945.00
Conomist II Gretchen Waschbusch		6.75	\$140	\$	945.00
Conomist II Gretchen Waschbusch Office Manager	Assist with hearing presentation	6.75	\$140	\$ \$	945.00 31,830.00
conomist II Gretchen Waschbusch Office Manager Subtotal - Hearing Preparatio	Assist with hearing presentation	6.75	\$140		
Economist II Gretchen Waschbusch Office Manager Subtotal - Hearing Preparation Project Administration (Assist with hearing presentation on & Oral Testimony September - January) Fill out timesheets, review invoices, and			\$	31,830.00
Economist II Gretchen Waschbusch Office Manager Subtotal - Hearing Preparation Project Administration (Mark N. Lowry	Assist with hearing presentation on & Oral Testimony September - January)	6.75 2.25	\$140 \$350		
Economist II Gretchen Waschbusch Office Manager Subtotal - Hearing Preparatio Project Administration (Mark N. Lowry	Assist with hearing presentation on & Oral Testimony September - January) Fill out timesheets, review invoices, and			\$	31,830.00
Zachary Legge Economist II Gretchen Waschbusch Office Manager Subtotal - Hearing Preparatic Project Administration (Mark N. Lowry President	Assist with hearing presentation on & Oral Testimony September - January) Fill out timesheets, review invoices, and plan for trip to Montreal Arrange travel, prepare expense reports	2.25	\$350	\$	31,830.00 787.50
Gretchen Waschbusch Office Manager Subtotal - Hearing Preparatic Project Administration (Wark N. Lowry President Gretchen Waschbusch	Assist with hearing presentation on & Oral Testimony September - January) Fill out timesheets, review invoices, and plan for trip to Montreal			\$	31,830.00
Gretchen Waschbusch Office Manager Subtotal - Hearing Preparatic Project Administration (Wark N. Lowry President Gretchen Waschbusch Office Manager	Assist with hearing presentation on & Oral Testimony September - January) Fill out timesheets, review invoices, and plan for trip to Montreal Arrange travel, prepare expense reports and invoices	2.25	\$350	\$	31,830.00 787.50 315.00
Economist II Gretchen Waschbusch Office Manager Subtotal - Hearing Preparatio Project Administration (Mark N. Lowry	Assist with hearing presentation on & Oral Testimony September - January) Fill out timesheets, review invoices, and plan for trip to Montreal Arrange travel, prepare expense reports and invoices	2.25	\$350	\$	31,830.00 787.50
Gretchen Waschbusch Office Manager Subtotal - Hearing Preparatic Project Administration (Mark N. Lowry President Gretchen Waschbusch Office Manager	Assist with hearing presentation on & Oral Testimony September - January) Fill out timesheets, review invoices, and plan for trip to Montreal Arrange travel, prepare expense reports and invoices	2.25	\$350 \$140	\$ \$ \$	31,830.00 787.50 315.00 1,102.50
Gretchen Waschbusch Gretchen Waschbusch Gretchen Waschbusch Grunder - Hearing Preparatio Project Administration (Alark N. Lowry President Gretchen Waschbusch Office Manager Subtotal - Project Administra	Assist with hearing presentation on & Oral Testimony September - January) Fill out timesheets, review invoices, and plan for trip to Montreal Arrange travel, prepare expense reports and invoices	2.25	\$350	\$ \$ \$	31,830.00 787.50 315.00 1,102.50 126,550.00
conomist II iretchen Waschbusch fffice Manager ubtotal - Hearing Preparatic roject Administration (lark N. Lowry resident iretchen Waschbusch fffice Manager	Assist with hearing presentation on & Oral Testimony September - January) Fill out timesheets, review invoices, and plan for trip to Montreal Arrange travel, prepare expense reports and invoices	2.25	\$350 \$140	\$ \$ \$	31,830.00 787.50 315.00 1,102.50
conomist II iretchen Waschbusch ffice Manager ubtotal - Hearing Preparatio roject Administration (lark N. Lowry resident iretchen Waschbusch ffice Manager ubtotal - Project Administra ubtotal - Project Administra	Assist with hearing presentation on & Oral Testimony September - January) Fill out timesheets, review invoices, and plan for trip to Montreal Arrange travel, prepare expense reports and invoices	2.25	\$350 \$140	\$ \$ \$	31,830.00 787.50 315.00 1,102.50 126,550.00