

Power Advisory

55 University Avenue
Suite 700, PO Box 32
Toronto, ON M5J 2H7

August 17, 2022

Ontario Energy Board

Nancy Marconi
Registrar
P.O. Box 2319
2300 Yonge Street
Toronto ON M4P 1E4

By Electronic Filing

Dear Ms. Marconi,

**RE: EB-2022-0002 IESO Revenue Requirement, Expenditure and Fees
Cost Claim of Power Advisory**

Attached is the cost claim of Power Advisory for EB-2022-0002, pursuant to consulting services provided to the Canadian Renewable Energy Association (CanREA), Energy Storage Canada (ESC), and the Ontario Waterpower Association (OWA), collectively referred to "REASCWA" throughout the proceeding.

Power Advisory retained the services of Terry Young as subcontractor.

Sincerely,



Sarah Simmons
Director, Utilities and Innovation
Power Advisory

EB-2022-0002 : 1 : Sarah Simmons

COST CLAIM NUMBER 598	SUBMISSION DEADLINE DATE August 18, 2022	CLAIM STATUS Approved by Finance
EB# EB-2022-0002: Rates: Distribution: Independent Electricity System Operator	OTHER EB#S	PHASE #* 1
INTERVENOR Simmons, Sarah; +1 (647) 525-9373 ssimmons@poweradvisoryllc.com	INTERVENOR COMPANY* Power Advisory LLC, Toronto: Corporation	INTERVENOR TYPE Full Registrant
HST RATE ONTARIO 13.00	EXCHANGE RATE	COUNTRY
HST NUMBER 813388691RT0001	LATE SUBMISSION ALLOWED No	EXTENSION DEADLINE DATE

PARTICIPANTS

New	Non-Filing	Participant First, Last Name	Filing Participant	Participant Total (\$)	Claim Status
No		,	Chee-Aloy, Jason; +1 (416) 303-8667 jchee-aloy@poweradvisoryllc.com	4,847.71	Submitted
No		,	Simmons, Sarah; +1 (647) 525-9373 ssimmons@poweradvisoryllc.com	1,638.50	Submitted
Yes	Terry	, Young		4,474.80	Submitted

ATTACHMENTS

Attachment	Attachment Date	Participant	Document Type	Claim Type	Import Message
IESO 2022 Fees Case Cost Claim.pdf			Cover Letter		Power Advisory Cost Claim Cover Letter
PAL EB-2022-0002 Cost Claim 081720221756.pdf					

TOTAL LEGAL/CONSULTANT/OTHER FEES 9,700.00	TOTAL DISBURSEMENTS 0.00	TOTAL HST 1,261.01
TOTAL CLAIM 10,961.01	TOTAL AMOUNT AWARDED	

REASON FOR DISALLOWANCE	REASON FOR DISALLOWANCE - 2	REASON FOR DISALLOWANCE - 3
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MAKE CHEQUE PAYABLE TO
Power Advisory LLC

SEND PAYMENT TO ADDRESS
55 University Ave, Suite 700
PO Box 32
Toronto, ON
M5J 2H7

ATTENTION

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
Sarah Simmons

DATE SUBMITTED
August 17, 2022

Jason Chee-Aloy

CASE	COST CLAIM	INTERVENOR NAME	PARTICIPANT CLAIM STATUS
EB-2022-0002: Rates: Distribution: Independent Electricity System Operator	EB-2022-0002 : 1 : Sarah Simmons	Simmons, Sarah; +1 (647) 525-9373 ssimmons@poweradvisoryllc.com	Submitted

FILING PARTICIPANT	NEW PARTICIPANT	NON-FILING PARTICIPANT F. NAME	NON-FILING PARTICIPANT L. NAME
Chee-Aloy, Jason; +1 (416) 303-8667 jchee-aloy@poweradvisoryllc.com	No		

SERVICE PROVIDER TYPE	YEAR CALLED TO BAR	COMPLETED YEARS PRACTICING/YEARS OF RELEVANT EXPERIENCE	HOURLY RATE
Consultant		23	330

CV STATUS (FOR CONSULTANT/ANALYST)	LAST CV DATE	HST RATE CHARGED
CV Attached	August 17, 2022	13.00

HEARINGS	CONSULTATIONS	DISBURSEMENTS
Yes	No	Yes

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	4.00	330	1,320.00	13.00	171.60	1,491.60
Discovery						
Preparation of Interrogatories	2.75	330	907.50	13.00	117.98	1,025.48
Review Interrogatory Responses	0.50	330	165.00	13.00	21.45	186.45
Technical Conference Preparation		330		13.00		
Technical Conference Attendance		330		13.00		
Technical Conference Follow Up		330		13.00		
Issues List						
Preparation	0.25	330	82.50	13.00	10.73	93.23
Attendance at Issues Conference		330		13.00		
Intervenor Evidence						
Preparation		330		13.00		
Interrogatory Responses		330		13.00		
Preparation of Witness(es) for Attendance at Hearing		330		13.00		
Settlement Conference / ADR						
Preparation		330		13.00		
Attendance	5.00	330	1,650.00	13.00	214.50	1,864.50
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		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	0.50	330	165.00	13.00	21.45	186.45
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:	4,290.00	557.71	4,847.71	

Attachments

<u>Attachment</u>	<u>Document Type</u>	<u>Import Message</u>
CV - Jason Chee-Aloy - 2022-03-07.pdf	CV	Jason Chee-Aloy CV
JCA - EB-2022-0002.xlsx	Time Docket	Jason Chee-Aloy Time sheet
REASCWA Invoice Aug 17.pdf	Invoice	Power Advisory Invoices to REASCWA Members

DISBURSEMENTS

<u>Name</u>	<u>Atchmnt Required</u>	<u>Atchmnt Provided</u>	<u>Qty</u>	<u>Cost/ Unit</u>	<u>Net Cost</u>	<u>HST Rate</u>	<u>HST</u>	<u>Other Taxes/Tip</u>	<u>Total</u>	<u>Rationale/ Comment</u>
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Hearings, Consultations, Disbursements Attachments

<u>Attachment</u>	<u>Related Disbursement Claim</u>	<u>Document Type</u>	<u>Claim Type</u>	<u>Import Message</u>
CV - Jason Chee-Aloy - 2022-03-07.pdf		CV	Hearings	Jason Chee-Aloy CV
JCA - EB-2022-0002.xlsx		Time Docket	Hearings	Jason Chee-Aloy Time sheet
REASCWA Invoice Aug 17.pdf		Invoice	Hearings	Power Advisory Invoices to REASCWA Members

Jason Chee-Aloy
Managing Director



Power Advisory LLC

55 University Avenue
Suite 700, P.O. Box 32
Toronto, ON M5J 2H7
Cell: 416-303-8667
jchee-aloy@poweradvisoryllc.com

SUMMARY

Mr. Chee-Aloy is a professional with 25 years of expertise in electricity and natural gas market analysis, policy development and market design, project development, resource and infrastructure planning, and stakeholder consultation and engagement. He has worked as an energy economist with a strong analytical foundation and understanding of commodity pricing, market design, contract design, industry restructuring, policy development, business strategy, industry governance, and planning and development of electricity infrastructure.

Mr. Chee-Aloy joined Power Advisory after being the Director of Generation Procurement at the Ontario Power Authority (OPA), where he was responsible for procuring over 15,000 MW of generation. He led the development, consultation and implementation of North America's first comprehensive Renewable Energy Feed-in Tariff (FIT) Program. Prior to joining the OPA, he worked for the Independent Electricity System Operator (IESO) where he was actively involved with restructuring Ontario's electricity sector by leading key areas of market design.

Mr. Chee-Aloy is acting for multiple generator, transmitter, distributor, financial institution, and regulatory agency clients regarding numerous areas of, but not limited to: policy design; market design; contract design; contract negotiation; project development; market analysis; business strategy; regulatory affairs; power system planning and resource assessments; etc.

Professional History

Ontario Power Authority
Independent Electricity System Operator
Ontario Ministry of Energy, Science and Technology
Canadian Enerdata Limited

Education

York University, MA, Economics, 1996
University of Toronto, 1995

PROFESSIONAL EXPERIENCE

Generation Project Development and Operations, and Project Acquisition

- Assisted multiple generation clients regarding their participation in the Ontario and Alberta wholesale electricity markets and resolution of contract issues. Work with these generators includes strategy and solutions regarding analysis of impacts to changes to wholesale market rules and analysis of impacts to changes in the market design, including implications on their long-term contracts.

- Assisted multiple generation developers towards commercial operation of their projects under long-term contracts. Work with these developers includes strategy and solutions regarding analysis of permitting and approvals, provincial content requirements, connection requirements, financing and future operations in the wholesale power market to optimize operations and maximize revenues in the wholesale market and under long-term contracts.
- For multiple renewable generation clients, advised and represented their interests towards developing their generation projects, including work in areas dealing with long-term contracts, connection impact assessments, system impact assessments, and financial plans.
- Worked with lenders and financiers providing market intelligence, market forecasts, and strategic advice regarding investment in generation projects.
- Worked with owners of existing generation facilities, equity providers, and developers to value projects for purposes of acquisitions. This work involves assessment of wholesale electricity markets and valuation of specific generation resources.

Wholesale Electricity Market Design and Development

- Acting for multiple generator, energy storage provider, transmission, Local Distribution Companies (LDCs) regarding the IESO's Market Renewal Program, including planned development of Locational Marginal Prices (LMPs), Day-Ahead Market (DAM), Enhanced Real-Time Unit Commitment (ERUC), and Incremental Capacity Auctions (ICAs)
- Acted for the Ontario IESO as the facilitator/consultant for the IESO's Electricity Market Forum. This work involved identification and sequencing the major initiatives and recommendations required to evolve Ontario's electricity sector. The initiatives and recommendations included: review of wholesale spot pricing, costs to customers and cost allocation; review of long-term contracts to ensure alignment with the wholesale market; review of regulated rate design regarding its effect and integration with the wholesale market; increasing demand-side participation in the wholesale spot market; review and assess the need for new ancillary services in light of Ontario's changing supply mix; review of the two-schedule dispatch system within the wholesale market; and review of the framework for scheduling intertie transactions in the wholesale market.
- For gas-fired generator clients, advised how these facilities can meet power system needs within wholesale electricity markets and operate more efficiently given changes fuel supply, utilization of wholesale market programs, and requirements for day-ahead commitment programs.
- For transmission clients, advised how new regulated or merchant transmission lines may be developed within various electricity markets along with specific regulatory requirements and policies.
- For multiple renewable generation clients, advised and represented their interests regarding the integration of variable (i.e., wind and solar) generation within wholesale electricity markets. The work required intimate and technical knowledge of the operations on wholesale markets and the technical capabilities of generation facilities regarding how generation units are scheduled and dispatched, how prices are set, and the mechanisms for compensation for production of energy output.
- For multiple clients, advised on transmission rights within wholesale electricity markets regarding rules and protocols relating to intertie transactions regarding scheduling transactions and associated risks dealing with congestion rents, failed transactions, etc.
- While at the IESO, was Project Manager of Resource Adequacy and developed and delivered high-level design, detailed design, and draft market rules for a centralized forward Capacity Market, and chaired the Long-Term Resource Adequacy Working Group comprising over 20 electricity sector stakeholders.
- For the IESO, implemented short-term resource adequacy mechanisms through the Hour-Ahead Dispatchable Load program and Replacement Generation to Support Planned Outages in 2003 and 2004.

- Developed and drafted over 50 IESO Market Rule amendments, including applicable quantitative assessments, mainly regarding market surveillance, compliance, reliability, scheduling, dispatch and pricing rules, and settlements, therefore having a very strong understanding and knowledge on how the IESO-Administered Markets operate and in particular how the dispatch and pricing algorithms work.
- Developed business processes, developed data requirements, and reviewed applicable Market Rules (e.g., local market power rules) for the Market Assessment Unit.

Generation and Transmission Procurement and Contracting

- Acted for the Government of Alberta in development and administration of the Solar Procurement
- Acted for multiple gas-fired generators regarding contract amendments resulting from the forthcoming Ontario cap-and-trade system.
- Acted for variable generators through market analysis, contract analysis, financial analysis, and led contract negotiations before the OPA and IESO to amend long-term contracts to address potential IESO economic curtailment of energy production from these generators resulting from the integration of these generators into the real-time scheduling and dispatch process within Ontario's wholesale energy market.
- Acted for multiple Non-Utility Generator (NUG) facilities and other generator clients through market analysis, contract analysis, and financial analysis, and successfully led contract negotiations for existing and new generation facilities resulting from the expiration of existing Contracts towards execution of new long-term contracts with the IESO.
- Responsible for the delivery of the design, management and execution of all generation procurement processes and contracts for development of electricity supply resources while at the OPA. This included contracting for over 15,000 MW of generation capacity (including some demand-response), including combined cycle gas turbine facilities, simple cycle gas turbine facilities, combined heat and power facilities, waterpower facilities, bio-energy facilities, wind power (on- and off-shore) facilities, solar PV facilities and energy-from-waste facilities ranging in size from under 10 kW to over 900 MW through competitive and standard offer procurements and sole source negotiations. The development of procurement processes and long-term contracts needed to necessarily consider the integration of these generation projects into the wholesale market.
- Managed over 80 staff, developed and successfully implemented North America's first large FIT procurement program for renewable electricity supply resources. To date, over 20,000 applications totaling over 18,000 MW from prospective generation projects have been submitted to the Ontario Power Authority, with over 2,500 MW successfully contracted. In addition, chaired the Renewable Energy Supply Integration Team (RESIT) comprising of Ontario agencies and Government. This Team also held responsibility to implementing the FIT Program.
- Chaired the RESIT that delivered recommendations to the Minister of Energy for development of the Green Energy Act and the FIT Program. Delivered a consensus document assessed and recommended changes to Ontario Energy Board (OEB) Transmission and Distribution System Codes, regulations and legislation, in addition to the roles and responsibilities of the OPA, IESO, transmitters, OEB and utilities towards ensuring timely development of renewable generation. Senior staff from the IESO, OPA, Hydro One, OEB and the Ministry of Energy comprised the RESIT while Executives from IESO, OPA, OEB and Hydro One frequently attended these meetings.
- Advised multiple clients regarding transmission development opportunities and power system needs within various electricity markets across North America.
- Acted for a U.S. transmission developer and operator regarding the development of a merchant transmission project that will connect Ontario to Pennsylvania through market analysis, regulatory support, business strategy, and contract development support.

- Advised the Alberta Electricity System Operator (AESO) regarding development of their present transmission procurement process by researching and reviewing transmission procurement processes from Ontario and Texas.
- Advised multiple renewable generation developers regarding forthcoming participation within the AESO's renewable generation procuring and contracting initiatives under the Renewable Electricity Program.

Power System Planning and Infrastructure Assessment

- For multiple generator and trade associations, assessed and optimized generation resource options and likely solutions to be developed to meet future power system needs, and developed business strategies and strategic plans for these clients to execute towards increasing their market share by increasing their development pipeline of projects.
- While at the OPA, was a member of the OPA's Integrated Power System Plan (IPSP) Steering Committee that was responsible for the development and review the 20-year IPSP, developed strategy for the regulatory filing and OEB proceeding, was an expert witness for the interfaces between the generation and conservation and demand management (CDM) resource requirements specified within the IPSP and the applicable procurement processes that would be used to contract for these generation and CDM resources.

Wholesale Electricity Market Surveillance and Compliance

- While at the IESO, developed and delivered the IESO market rules and market manuals relating to the market surveillance and compliance activities, which included extensive research of other ISOs/RTOs regarding their market surveillance and compliance rules, protocols, and business practices.
- While at the IESO, worked with system vendors to determine, develop, and implement the data requirements and market monitoring indices to be used by the IESO's Market Assessment and Compliance Division (MACD) within their day-to-day operations and investigations.
- While at the IESO, worked with the OEB and federal Competition Bureau to develop and deliver the first Memorandum of Understanding between these three organizations regarding their jurisdictional roles and responsibilities regarding the assessment, determinations, and investigations relating to gaming, market power, and anti-competitive behavior.
- For the Independent Power Producers Society of Alberta (IPPSA), assisted with research, analysis, and recommendations regarding potential changes to the Alberta Market Surveillance Administrator's assessment of market harm.
- For multiple generator clients, providing on-going research, analysis, and recommendations relating to their compliance with the IESO market rules and applicable IESO market manuals regarding offer strategies with respect to dispatch within the IESO-Administered Markets and regarding import and export transactions.

Policy Development

- For the Association of Power Producers of Ontario (APPrO) and the Canadian Solar Industries Association (CanSIA), member of the OEB's Standby Rates Working Group that commented on potential policy direction for standby rates, including analysis and commentary on revenue decoupling
- For multiple generation and association clients, using the supply mix and CDM scenarios and targets conveyed in the above point to assess and analyze the Ontario Government's present review of the LTEP, and developing policy positions for these clients regarding forthcoming changes to the LTEP.

- For multiple generation and association clients, assessing and analyzing applicable changes to CDM policies and targets as proposed in the July 2013 Ontario Government's conservation white paper, and developing policy positions for these clients.
- For multiple generation and association clients, assessing and analyzing a potential framework for regional planning and siting of large energy infrastructure projects, as the IESO and OPA have been directed by the Minister of Energy to provide recommendations by August 1, 2013, and developing policy positions for these clients.
- For multiple generation and association clients, assessing and analyzing potential changes to the procurement and contracting of renewable generation projects outside of the FIT Program through an OPA to-be-developed competitive procurement process, and developing recommendations on the design of a competitive procurement process for these clients.
- Advised APPrO on the structure and design of the Ontario electricity market from policy, market structure and market design points of view (including SWOT analysis of APPrO vis-à-vis its position in Ontario's electricity market and with other energy associations) and facilitated meeting of the APPrO Board of Directors.
- Advised the Ontario Energy Association on various policy developments relating to the Green Energy and Green Economy Act, 2009, OEB's Renewed Regulatory Framework, etc.

Stakeholder Consultation and Engagement

- From November 2013 to April 2014, Jason Chee-Aloy was the Power Advisory lead acting for the OEB in reviewing the OEB's governance and processes regarding their policy stakeholder consultation framework. The OEB's policy stakeholder consultation framework was assessed relative to policy stakeholder consultation frameworks of other energy and non-energy North American regulators, interviews were confidentially conducted with stakeholders that typically participate in the OEB's policy stakeholder consultation framework, and recommendations to changes of the OEB's policy stakeholder consultation framework were made directly to the Chair of the OEB.
- In 2011, Power Advisory was appointed as the Government of Nova Scotia's Renewable Electricity Administrator (REA) to design and implement a competitive procurement process to contract for new renewable energy supply. As part of the REA's scope of work, Power Advisory designed and successfully implemented a robust stakeholder consultation and engagement for the procurement process which included setting clear goals and objectives for the competitive procurement process, scheduled and led meetings with stakeholders (including Aboriginal peoples), consulted and engaged stakeholders in the design of the Request for Proposal and Contract documents, regular reports back to the Government of Nova Scotia, and successful conclusion of the procurement process by execution of contracts for new renewable energy supply in 2012. Jason Chee-Aloy was a key part of Power Advisory's team that designed the stakeholder consultation and engagement process.
- In 2012, Jason Chee-Aloy acted for the IESO as the consultant and facilitator for the Electricity Market Forum. In addition to being the technical consultant and subject matter expert, this engagement comprised of facilitating bi-weekly meetings for nearly a year with senior stakeholders representing all segments of Ontario's electricity market.

- Prior to joining Power Advisory in 2010, Jason Chee-Aloy led the design and facilitation of stakeholder consultation and engagement initiatives as Director of Generation Procurement at the OPA (2005 to 2010), and as a Project Manager in the IESO's Market Evolution Program initiative (2003 to 2005). While at the OPA, Jason Chee-Aloy designed and chaired the Renewable Energy Supply Integration Team which was a form of stakeholder consultation with the goals and objectives of the OPA, OEB, IESO and Hydro One providing technical advice directly to the Minister of Energy and Infrastructure on the development of the Green Energy and Green Economy Act (2009) and the Feed-in Tariff (FIT) Program. Various Executives and senior staff from the OPA, OEB, IESO and Hydro One comprised the members of Renewable Energy Supply Integration Team. In part resulting from input from the Renewable Energy Supply Integration Team, Jason Chee-Aloy led the development of the stakeholder consultation and engagement of the design and implementation of the FIT Program. He led all stakeholder consultation and engagement meetings over several months where at times more than 400 stakeholders attended in person, by phone, or by web conferencing.

Expert Testimony

- Retained by Stikeman Elliott LLP on behalf of three Quebec-based hydroelectric generators regarding renegotiation of Power Purchase Agreements (PPAs) with Hydro-Quebec, including development of two expert reports filed within the arbitration proceedings, including expert testimony and cross-examination (2016)
- Before the OEB, began testimony for OPA regarding scope of Procurement Process within OEB proceeding to render decision on OPA's IPSP and Procurement Process – proceeding terminated in late 2008 (2008)
- Before the OEB, for Ontario Power Authority, testified to sections of the OPA Business Plan regarding organization and management of generation procurement and contract management business units (2006)

Selected Speaking Engagements

- Davies Ward Phillips & Vineberg LLP, Davies Academy, Is Canada's Electricity Sector Ready for a Zero-Carbon Future?, Toronto, January 2022
- Independent Power Producers Society of Alberta, Annual Conference, Banff, November 2021, March 2019 and March 2017
- Association of Power Producers of Ontario, Annual Conference, Toronto, November 2021, December 2020, November 2019, November 2018, November 2017, November 2016, November 2015, November 2014, November 2013, November 2012, November 2011, November 2010, November 2009, November 2008, November 2007, November 2006, November 2003
- Canadian Renewable Energy Association, Annual Conference – Electricity Transformation Canada, Toronto, October 2021
- Ontario Waterpower Association, Annual Conference, Niagara Falls, May 2021, October 2019, October 2018, October 2017, October 2013, October 2013, December 2012, December 2011
- Canadian Bar Association, May 2021, web conference - Environmental, Energy & Resources Law Summit, The Ins and Outs of Climate Change, Carbon and Renewables, State of Play in Renewable and Distributed Energy Across Canada
- Bank of America Securities, April 2021, web conference - Canadian Power and Utilities Conference
- Canadian Renewable Energy Association, February 2021, web conference - What's Next for Corporate Power Purchase Agreements and Renewables in Canada?

- Maritimes Energy Association AGM, January 2021, web conference - Canadian Energy Transition
- Electricity Invitational Forum, Cambridge, January 2021, January 2020, January 2019, January 2018, January 2011
- EUCI, web conference - Capacity Markets Pricing and Policy Summit, December 2020
- Canadian Renewable Energy Association, Toronto, November 2020, Canadian Renewable Energy Forum: Wind. Solar. Storage.
- Ontario Energy Association, Toronto, October 2020, Corporate PPAs - Potential Opportunities for Energy Buyers/Sellers in Canada
- Business Renewables Centre Canada, October 2020, web conference - Understanding the Corporate PPA Landscape Across Canada: A Jurisdictional Review
- DeMarco Allen LLP, Strategy Session, October 2020
- Ontario Energy Association, October 2020, web conference - Corporate PPAs: Potential Opportunities for Energy Buyers/Sellers in Canada
- Business Renewables Centre Canada, June 2020, web conference - Outlook for Alberta's Electricity Market Focusing on PPAs
- Canadian Power Finance Conference, Toronto, January 2020, January 2019, January 2018, January 2015, January 2012, January 2011
- Canadian Wind Energy Association, Annual Conference, Calgary, October 2019, October 2018, Toronto, October 2017, October 2016, October 2015
- Ontario Energy Association, Annual Conference, Toronto, September 2019, September 2018, September 2017, September 2016, September 2015, September 2014, September 2013, Niagara Falls, September 2012
- Proximo, Canadian Power and Renewables Exchange, Toronto, June 2019
- Ontario Energy Association, Speaker Series, Toronto, May 2019
- Canadian Wind Energy Association, Spring Forum, Banff, April 2019
- Bank of America Merrill Lynch, 2019 Canadian Utilities Day, New York, April 2019
- AQPER 2019 Symposium, Quebec City, February 2019
- Canadian Solar Industry Association, Solar Ontario, Toronto, October 2018, Ottawa, May 2014, Niagara Falls, May 2013
- Energy Storage Canada, Annual Conference, Toronto, September 2018, September 2017
- Ontario Energy Association, Conversations That Matter, Toronto, June 2018
- Canadian Electricity Association, Transmission and Distribution Council, Calgary, May 2018
- Canadian Electricity Association, Pre-CAMPUT Workshop, Toronto, May 2018
- Electricity Distributors Association, ENERCOM, Toronto, March 2018
- Energy Law Forum, Vancouver, May 2017
- U.S./Canada Cross-Border Power Summit, Boston, April 2016, April 2015
- UBS, Canadian Power Markets, New York, July 2015
- UBS, Canadian Power Markets, Toronto, June 2015
- Aird & Berlis LLP, The Impact of Capacity Market on LDCs, Toronto, May 2015

- Mindfirst Lunch Seminar: Ontario Capacity Auction - Analysis of Feasibility and Criteria for Design Elements, Toronto, May 2015
- Ontario FIT and Renewable Energy Forum, Toronto, March 2015
- Canadian Wind Energy Association Operations & Maintenance Summit, Toronto, February 2015
- Canadian Solar Industry Association, Annual Conference, Toronto, December 2014, December 2013, December 2012, December 2011, December 2010 and December 2009
- EUCI, Canada Energy Storage Summit, Toronto, November 2014
- UBS, Ontario Power Markets, New York, November 2014
- Ontario Power, Examining the Future Structure of Ontario's Electricity Market: Should Ontario Incorporate a Capacity Market or Alternative Structure Framework, Toronto, April 2014
- EUCI, Securing Ontario's Distribution Grid of the Future, Toronto, September 2013
- TD Securities, Canadian Clean Power Forum, Toronto, September 2013
- TREC Education, Toronto, June 2013
- FIT Forum, Toronto, April 2013, April 2012
- Nuclear Symposium, Toronto, May 2012
- TD Securities, The Future of Ontario's Power Sector, Toronto, April 2012
- Ontario Power Perspectives, Toronto, April 2012
- Ontario Energy Association Speaker Series - FIT and the Provincial Budget: What do they mean for Ontario's Electricity Sector, Toronto, April 2012
- Energy Contracts, Calgary, March 2012
- Environmental Law Forum, Cambridge, January 2012
- Capstone Infrastructure Corporation, Investor Day, Toronto, December 2011
- Canadian Projects and Money, Toronto, June 2011
- Ontario's Feed-in Tariff, Toronto, June 2011
- Photon's Solar Electric Utility Conference, San Francisco, February 2011
- Ontario Solar Network, Solar Summit, Toronto, February 2011
- Credit Suisse Alternative Energy Conference, Washington, June 2010
- Transmission and Integrating New Power into the Grid, Calgary, April 2010
- Feed-in Tariff: Another Tool for Meeting RPS, San Francisco, February 2010
- BC Power, Vancouver, January 2010
- Infrastructure Renewal, Toronto, October 2009
- Green Energy Week, Toronto, September 2009
- Ontario Waterpower Association Executive Dialogue, May 2009, May 2008, October 2008
- GasFair and PowerFair, Toronto, April 2008, May 2007, April 2006
- Eastern Canadian Power and Renewables Finance Forum, Toronto, February 2008
- Quebec Forum on Electricity, Montreal, April 2007
- Energy Contracts, Toronto, March 2007, November 2003

- Power On, Toronto, October 2006
- Generation Adequacy in Ontario, Toronto, April 2006, March 2005, April 2004
- Installed Capacity Markets - Designing and Implementing Installed Capacity Markets, Boston, May 2004
- Ontario Electricity Conservation and Supply Task Force, September 2003, July 2003

Power Advisory LLC

55 University Avenue, Suite 700, PO Box 32
Toronto, ON M5J 2H7

**Canadian Renewable Energy Association**

Brandy Giannetta
240 Bank Street
Suite 400
Ottawa, Ontario K2P 1X4

Invoice 2208051

Date	Aug 17, 2022
Terms	N/A
Service Thru	Aug 17, 2022

In Reference To: IESO 2022 Revenue Requirement (Labor)

Representation of the Canadian Renewable Energy Association (CanREA), Energy Storage Canada (ESC) and Ontario Waterpower Association (OWA), collectively referred to as REASCWA, in the IESO's application before the Ontario Energy Board seeking approval for its proposed 2022 expenditure and revenue requirement. (EB-2022-0002)

Date	Services	Amount
08/17/2022	Application complete	\$ 3,233.33
<hr/>		
	Labor	\$ 3,233.33
	Labor HST 81338 8691 RT001	\$ 420.33
	Total Labor	\$ 3,653.66
	Total Invoice Amount	\$ 3,653.66
	Previous Balance	\$ 0.00
	Balance (Amount Due)	\$ 3,653.66

Notes:

Power Advisory LLC remittance address indicated above. Electronic payment instructions available upon request.

For invoice and payment questions contact:
Julie Glover (jglover@poweradvisoryllc.com)

Power Advisory LLC - Time Entry

Date Start: 4/1/2022 | Date End: 8/17/2022 | Clients: Power Advisory | Projects: IESO 2022 Revenue Requirement | Users: All | Client Type: All | Project Type: All | Location: All | Billing Method: All | Paid Status: All | Group By: Project

Date	Client	Project Type	User	Activity	Description	Billable Time	Total Time	Billable Flag	Hourly Rate	Billable Amt
IESO 2022 Revenue Requirement										
04/25/2022	Power Advisory	T - Time & Materials	Sarah Simmons	Unassigned	Call with J. Chee-Aloy (Power Advisory) and Terry Young (Consultant) re Issues List	0.25	0.25	Y	\$290.00/hr	\$72.50
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04/26/2022	Power Advisory	T - Time & Materials	Power Advisory Contractor	Unassigned	Review IESO's 2022 Rate Application and preparation for submission to OEB re IESO Issues list	3.75	3.75	Y	\$330.00/hr	\$1,237.50
04/27/2022	Power Advisory	T - Time & Materials	Sarah Simmons	Unassigned	Review and input with respect to Issues list	0.25	0.25	Y	\$290.00/hr	\$72.50
05/09/2022	Power Advisory	T - Time & Materials	Jason Chee-Aloy	Unassigned	Reviewed IESO 2022 rate application	4.00	4.00	Y	\$330.00/hr	\$1,320.00
05/09/2022	Power Advisory	T - Time & Materials	Jason Chee-Aloy	Unassigned	Call with Sarah Simmons (Power Advisory) and T. Young (Consultant) to discuss IRs and topics	0.25	0.25	Y	\$330.00/hr	\$82.50
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05/09/2022	Power Advisory	T - Time & Materials	Sarah Simmons	Unassigned	Call with J. Chee-Aloy (Power Advisory) and T. Young (Consultant) to discuss IRs and topics	0.25	0.25	Y	\$290.00/hr	\$72.50

05/10/2022	Power Advisory	T - Time & Materials	Power Advisory Contractor	Unassigned	Review of IESO and OEB response re issues list and preparation of Interrogatories for submission to the OEB	2.75	2.75	Y	\$330.00/hr	\$907.50
05/12/2022	Power Advisory	T - Time & Materials	Jason Chee-Aloy	Unassigned	Meeting between REASCWA and OSEA, re: IRs	0.50	0.50	Y	\$330.00/hr	\$165.00
05/12/2022	Power Advisory	T - Time & Materials	Jason Chee-Aloy	Unassigned	Reviewed draft IRs	0.50	0.50	Y	\$330.00/hr	\$165.00
05/13/2022	Power Advisory	T - Time & Materials	Jason Chee-Aloy	Unassigned	Revised and finalized REASCWA IRs	2.00	2.00	Y	\$330.00/hr	\$660.00
05/13/2022	Power Advisory	T - Time & Materials	Sarah Simmons	Unassigned	Review, input and edits to IR submission	1.25	1.25	Y	\$290.00/hr	\$362.50
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06/07/2022	Power Advisory	T - Time & Materials	Power Advisory Contractor	Unassigned	Reviewed IESO responses to IRs	0.50	0.50	Y	\$330.00/hr	\$165.00
06/07/2022	Power Advisory	T - Time & Materials	Sarah Simmons	Unassigned	Review of IESO IR responses, including MRP delay and impacts on business plan	0.50	0.50	Y	\$290.00/hr	\$145.00
06/08/2022	Power Advisory	T - Time & Materials	Jason Chee-Aloy	Unassigned	Call with S. Simmons (Power Advisory) and T. Young (Consultant), re: review of IESO responses to IRs for coordination and recommendations to REASCWA	0.50	0.50	Y	\$330.00/hr	\$165.00
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Totals For IESO 2022 Revenue Requirement						30.00	30.00			\$9,700.00
Grand Total						30.00	30.00			\$9,700.00
\$3,233.33 each										

Power Advisory LLC

55 University Avenue, Suite 700, PO Box 32
Toronto, ON M5J 2H7

**Energy Storage Canada**

Justin Rangooni
777 Bay Street
Unit C208B
Toronto, Ontario M5G 2C8

Invoice 2208052

Date	Aug 17, 2022
Terms	N/A
Service Thru	Aug 17, 2022

In Reference To: IESO 2022 Revenue Requirement (Labor)

Representation of the Canadian Renewable Energy Association (CanREA), Energy Storage Canada (ESC) and Ontario Waterpower Association (OWA), collectively referred to as REASCWA, in the IESO's application before the Ontario Energy Board seeking approval for its proposed 2022 expenditure and revenue requirement. (EB-2022-0002)

Date	Services	Amount
08/17/2022	Application complete	\$ 3,233.33
<hr/>		
	Labor	\$ 3,233.33
	Labor HST 81338 8691 RT001	\$ 420.33
	Total Labor	\$ 3,653.66
	Total Invoice Amount	\$ 3,653.66
	Previous Balance	\$ 0.00
	Balance (Amount Due)	\$ 3,653.66

Notes:

Please make the check payable to Power Advisory LLC and send to the address above.

For invoice and payment questions contact:

Julie Glover | jglover@poweradvisoryllc.com

For questions about the services provided contact:

Travis Lusney | tlusney@poweradvisoryllc.com | 647-680-1154

Power Advisory LLC - Time Entry

Date Start: 4/1/2022 | Date End: 8/17/2022 | Clients: Power Advisory | Projects: IESO 2022 Revenue Requirement | Users: All | Client Type: All | Project Type: All | Location: All | Billing Method: All | Paid Status: All | Group By: Project

Date	Client	Project Type	User	Activity	Description	Billable Time	Total Time	Billable Flag	Hourly Rate	Billable Amt
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\$3,233.33 each										

Power Advisory LLC

55 University Avenue, Suite 700, PO Box 32
Toronto, ON M5J 2H7

**Ontario Waterpower Association**

380 Armour Rd., Suite 264
Peterborough, Ontario K9H 7L7

Invoice 2208053

Date	Aug 17, 2022
Terms	N/A
Service Thru	Aug 17, 2022

In Reference To: IESO 2022 Revenue Requirement (Labor)

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	Balance (Amount Due)	\$ 3,653.66

Notes:

Power Advisory LLC remittance address indicated above. Electronic payment instructions available upon request.

For invoice and payment questions contact:
Julie Glover (jglover@poweradvisoryllc.com)

Power Advisory LLC - Time Entry

Date Start: 4/1/2022 | Date End: 8/17/2022 | Clients: Power Advisory | Projects: IESO 2022 Revenue Requirement | Users: All | Client Type: All | Project Type: All | Location: All | Billing Method: All | Paid Status: All | Group By: Project

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Totals For IESO 2022 Revenue Requirement						30.00	30.00			\$9,700.00
Grand Total						30.00	30.00			\$9,700.00
\$3,233.33 each										

Sarah Simmons

CASE	COST CLAIM	INTERVENOR NAME	PARTICIPANT CLAIM STATUS
EB-2022-0002: Rates: Distribution: Independent Electricity System Operator	EB-2022-0002 : 1 : Sarah Simmons	Simmons, Sarah; +1 (647) 525-9373 ssimmons@poweradvisoryllc.com	Submitted

FILING PARTICIPANT	NEW PARTICIPANT	NON-FILING PARTICIPANT F. NAME	NON-FILING PARTICIPANT L. NAME
Simmons, Sarah; +1 (647) 525-9373 ssimmons@poweradvisoryllc.com	No		

SERVICE PROVIDER TYPE	YEAR CALLED TO BAR	COMPLETED YEARS PRACTICING/YEARS OF RELEVANT EXPERIENCE	HOURLY RATE
Consultant		13	290

CV STATUS (FOR CONSULTANT/ANALYST)	LAST CV DATE	HST RATE CHARGED
CV Attached	August 17, 2022	13.00

HEARINGS	CONSULTATIONS	DISBURSEMENTS
Yes	No	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		290		13.00		
Discovery						
Preparation of Interrogatories	1.50	290	435.00	13.00	56.55	491.55
Review Interrogatory Responses	3.00	290	870.00	13.00	113.10	983.10
Technical Conference Preparation		290		13.00		
Technical Conference Attendance		290		13.00		
Technical Conference Follow Up		290		13.00		
Issues List						
Preparation	0.50	290	145.00	13.00	18.85	163.85
Attendance at Issues Conference		290		13.00		
Intervenor Evidence						
Preparation		290		13.00		
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		290		13.00		
Attendance at Oral Hearing		290		13.00		
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:	1,450.00	188.50	1,638.50

Attachments

<u>Attachment</u>	<u>Document Type</u>	<u>Import Message</u>
CV - Sarah Simmons_Jan 2022.pdf	CV	Sarah Simmons CV
SS - EB-2022-0002.xlsx	Time Docket	Sarah Simmons timesheets
REASCWA Invoice Aug 17.pdf	Invoice	Power Advisory Invoices to REASCWA Members

Hearings, Consultations, Disbursements Attachments

<u>Attachment</u>	<u>Related Disbursement Claim</u>	<u>Document Type</u>	<u>Claim Type</u>	<u>Import Message</u>
CV - Sarah Simmons_Jan 2022.pdf		CV	Hearings	Sarah Simmons CV
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Sarah Simmons

Manager, Generation and Emerging Sectors



Power Advisory LLC

55 University Avenue

Suite 605, P.O. Box 32

Toronto, ON M5J 2H7

Tel: (647) 525-9373

ssimmons@poweradvisoryllc.com

SUMMARY

Sarah is an electricity sector professional with over 12 years of experience in the electricity sector based in Toronto. She has worked with utility scale and distributed generators, electricity distributors and transmitters, system operators, industrial load customers, and emerging technology providers.

Sarah has supported clients in electricity regulatory and policy matters with a particular focus on sector evolution and distributed energy resources. Recently, she contributed to the development of several innovative studies and reports, including the Ontario Independent Electricity System Operator's Innovation Roadmap and Workplan, the Electricity Distributor Association's Power to Connect Roadmap to a Brighter Future, and the Ontario Energy Association's Discussion Paper on Load-Serving Entities.

Prior to joining Power Advisory, Sarah was a core member of the team that developed and launched of the Feed-in Tariff Program in 2009 at the Ontario Power Authority. Throughout her career, she has supported clients as they navigate changes in electricity policy and regulation, procurement of generation, and innovation impacting the power system.

Sarah has an MSc of Environmental Studies focusing on electricity pricing policy from the University of Waterloo, and has an BSc in Environmental Science from the University of Guelph with a major in environmental monitoring and analysis.

Professional History

Power Advisory LLC, Manager, Generation and Emerging Sectors, 2017 - Present

Sussex Strategy Group, Senior Associate, 2012-2017

SunEdison Canada, Manager of Government Affairs, 2010-2012

Ontario Power Authority, Analyst, 2008-2010

Education

University of Guelph, B.Sc. Environmental Sciences, 2006

University of Waterloo, Masters Environmental Studies, 2009

PROFESSIONAL EXPERIENCE

Energy Policy

- For Master's thesis, review and analysis of time-of-use rate structures and the impacts on lower-income and senior-headed households. Completed a jurisdictional scan of electricity pricing structures, rate setting policies, and energy poverty literature. Working with a local distributor evaluated the pricing impact and behavioural change of customers with the implementation of time-of-use rates.
- While at the Ontario Power Authority, coordinated with the Ontario Energy Board, Ministry of Energy, Electrical Safety Authority and Local Distribution Companies in respect of policy matters related to the development of the development of the FIT and microFIT programs, including matters related to FIT pricing, siting and environmental requirements, regulatory integration, interconnection requirements, amongst other program design criteria.
- For the Electricity Distributors Association, led the research and drafting of the report entitled Power to Connect: A Roadmap to a Brighter Ontario, which identified the challenges and barriers within the statutory framework, and proposed solutions, with respect to the transition of LDCs to "Fully Integrated Network Orchestrators".
- For the Electricity Distributors Association, coordinated the review of the IESO's Market Renewal Program and implications for the distribution sector. Represented the EDA during IESO engagement meetings and led the development of analysis and submission related to the High-Level Designs and Detailed Designs of the Market Renewal Program. Facilitated outreach and engagement to the Ontario Energy Board on behalf of distributors related to the regulatory implication of MRP for the distribution sector.
- For the Ontario Energy Association, engaged with members of a Steering Committee to develop a comprehensive discussion paper and public report outlining the policy case and proposed implementation plan for the establishment of Load Serving Entities in Ontario.
- For the Independent Electricity System Operator, engaged with internal and external stakeholders to develop an Innovation Roadmap and Workplan, including the completion of a jurisdictional scan, facilitation and stakeholder engagement, and preparing final recommendations for the roadmap and workplan activities.
- For the Community Generation Working Group, consisting of Canadian Solar Industries Association, the First Nation Power Authority and the Alberta Community and Cooperative Association, led the development of written submissions, interrogatories and technical conference presentations for the Alberta Utilities Commission's Distribution System Inquiry (Module One) related to the impact of new technologies and innovation on the distribution sector.
- Working with ENMAX Corporation, led the project management, research and drafting of written submissions and interrogatories for the Alberta Utilities Commission's Distribution System Inquiry (Combined Module) related to evolution of the distribution sector, including adoption of distributed energy resources and electric vehicles, non-wires solutions, utility remuneration and rate design, and future operations of distributors as Distribution System Operators.

- For ENMAX Power Corporation, led the project management and development of a “Future Utility Plan” that identified key investments the utility will need to make to realize its 2030 Vision. The plan assessed the potential benefits and financial potential for a series of initiatives related to electrification, non-wires solutions, grid modernization and customer services. The final deliverable included a 7-year roadmap, justification for proposed initiatives, and assessed the utilities overall regulatory and policy strategy for achieving the plan.
- For the Canadian Solar Industries Association, lead consultant for the Nexus project, which included the development of two discussion papers, 1) Non-Wires Alternatives: Energizing Distributed Energy Resources to Bring Value to Canadian Grids, Utilities and Ratepayers, and 2) Hybrid Energy Systems: Reviewing the Case for the Co-location of Renewables and Energy Storage. Prepared submissions and represented the solar and storage sector with respect to the IESO's regional planning review process, and energy storage design project. Prepared submission and represented the solar and storage sector with respect to the OEB's Responding to DERs and Utility Remuneration policy consultations. Further supported CanSIA with respect to electricity pricing policy in Ontario and submissions to the Ontario Government's review of industrial electricity pricing.
- For Energy Storage Canada, led the project management, research and drafting of their Energy Storage Valuation Study focusing on the benefits that would be realized in Ontario through greater integration on energy storage within the wholesale market and electricity infrastructure.
- Co-chairing the industry-led Distributed Energy Resources Advisory Committee (DER AC), which consists of energy service providers with interest developing resources that distribution-level to meet the needs of electricity customers, including solar PV, energy storage, demand response, energy efficiency, electric vehicles, and other demand-side resources, for the contribute to the IESO's Market Renewal Program and the implementation of the Ministry of Energy's 2017 Long-Term Energy Plan.
- Working with the Canadian Solar Industries Association, coordinated the submission to the Ontario Ministry of Energy regarding the development of the revised Long-Term Energy plan, including matters related to technology costs digression, cost reduction strategies, resource and system benefits, and environmental attributes.
- Working with a local distribution company, provided advice and facilitated the development of feedback submissions on several regulatory and policy matters, including recommended changes to the FIT program and other generation procurement programs, changes to the net-metering regulation, regional planning coordination, conservation programs and climate change policies.
- On behalf of large industrial electricity consumers, provided analysis and strategic advice with respect to the implementation of the Cap and Trade program and the impacts on electricity pricing. Coordinated policy and regulatory submissions to the Ministry of Energy, the Ministry of Environment and Climate Change, and the Ontario Energy Board.
- Working with a transmitter, reviewed and provided strategic advice with respect to the policy and environmental requirements related to the development of a new transmission line in Northern Ontario.
- For an energy storage provider, prepared a detailed report and assessment of energy storage opportunities in Ontario. The report focused on Ontario market fundamentals (e.g., wholesale electricity pricing), behind the meter opportunities (e.g., the Industrial Conservation Program), and other potential revenue streams that may be available through current and future IESO programs, including the Market Renewal Program.

Program and Procurement Design

- While at the Ontario Power Authority, led the development of the microFIT program, including the program rules, eligibility requirements and contract provisions. Led stakeholder consultation activities and communications outreach as the program was implemented, including the development of training materials. Program management of software development required for back-end application intake and processing.
- For multiple renewable generation clients, provided support with respect to the development and submission of industry-led feedback to the Ontario Power Authority (and later IESO), and Ministry of Energy, in respect to the changes to the FIT and microFIT program, and the design and implementation of the Large Renewable Procurement program.
- For a distributed renewable energy provider and its partner, an unregulated LDC-affiliate, provided strategic counsel and business strategy development related to the transition to the net-metering program, including the potential for virtual net metering.
- On behalf of a renewable energy industry association, coordinated consultation activities with association members and led the development of detailed program design recommendations for a solar rebate program.

Project development and Contract Negotiation

- On behalf of a solar developer, coordinated contract management and regulatory affairs in respect of the development and construction of utility scale and rooftop solar systems under the FIT program. This included all matters related to the Ontario Power Authority and the Ontario Energy Board (e.g., meeting contract requirements/milestones, licensing requirements, etc.)
- Working for a Non-Utility Generator and its industrial host, provided strategic advice and facilitated negotiations with respect to the re-contracting efforts with the IESO. Facilitated efforts with respect to determining the resource value and related programs for funding support.
- Provided strategic counsel and negotiation support to a Non-Utility Generator with a fleet of northern Ontario generating units related to the re-contracting of the assets, negotiating contract amendments leading to more efficient operations, and provided strategic advice with respect to the implementation of the Cap & Trade program.
- Working with a group of unregulated LDC-affiliates, provided tactical support with respect the potential development of a large-scale renewable energy project as part of a competitive procurement process.
- On behalf of an energy services company, provided a detailed review of the IESO's demand response auction program and strategic advice with respect to business development strategy.

Government and Regulatory Affairs

- Working with a group of contracted renewable energy suppliers, provided strategic and led advocacy efforts with respect to changes to IESO market rules (SE-91) and the implementation of IESO curtailment. Led outreach to the Ontario Power Authority and Ministry of Energy.
- On behalf of a large electricity customer, provided strategic advice and led advocacy efforts on matters related to the renewal of the Northern Industrial Electricity Rate program.

- Working with an energy conservation service provider, provided strategic advice and led advocacy efforts with respect to the development and delivery of Green Ontario Fund programs.
- Working with a clean technology solutions provider and its property development partner, coordinated regulatory and advocacy efforts with respect to the development of a net-zero energy community in Ontario. Provided strategic advice and coordinated submissions in respect of applicable programs and regulatory barriers, including net-metering and virtual net-metering.
- Provided regulatory and policy support to a smart-grid solutions and software provider related to the development of pilot programs and other business development opportunities with Ontario distributors.
- Working with a software service provider, coordinated regulatory and program information with respect to energy conservation and demand response programs, specifically behavioural-based programs. Led advocacy efforts with respect to the implementation of a pilot program with Ontario distributors. Assisted with business development strategy related to climate change policies.

Power Advisory LLC

55 University Avenue, Suite 700, PO Box 32
Toronto, ON M5J 2H7

**Canadian Renewable Energy Association**

Brandy Giannetta
240 Bank Street
Suite 400
Ottawa, Ontario K2P 1X4

Invoice 2208051

Date	Aug 17, 2022
Terms	N/A
Service Thru	Aug 17, 2022

In Reference To: IESO 2022 Revenue Requirement (Labor)

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	Balance (Amount Due)	\$ 3,653.66

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Power Advisory LLC remittance address indicated above. Electronic payment instructions available upon request.

For invoice and payment questions contact:
Julie Glover (jglover@poweradvisoryllc.com)

Power Advisory LLC - Time Entry

Date Start: 4/1/2022 | Date End: 8/17/2022 | Clients: Power Advisory | Projects: IESO 2022 Revenue Requirement | Users: All | Client Type: All | Project Type: All | Location: All | Billing Method: All | Paid Status: All | Group By: Project

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Totals For IESO 2022 Revenue Requirement						30.00	30.00			\$9,700.00
Grand Total						30.00	30.00			\$9,700.00
\$3,233.33 each										

Power Advisory LLC

55 University Avenue, Suite 700, PO Box 32
Toronto, ON M5J 2H7

**Energy Storage Canada**

Justin Rangooni
777 Bay Street
Unit C208B
Toronto, Ontario M5G 2C8

Invoice 2208052

Date	Aug 17, 2022
Terms	N/A
Service Thru	Aug 17, 2022

In Reference To: IESO 2022 Revenue Requirement (Labor)

Representation of the Canadian Renewable Energy Association (CanREA), Energy Storage Canada (ESC) and Ontario Waterpower Association (OWA), collectively referred to as REASCWA, in the IESO's application before the Ontario Energy Board seeking approval for its proposed 2022 expenditure and revenue requirement. (EB-2022-0002)

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	Previous Balance	\$ 0.00
	Balance (Amount Due)	\$ 3,653.66

Notes:

Please make the check payable to Power Advisory LLC and send to the address above.

For invoice and payment questions contact:
Julie Glover | jglover@poweradvisoryllc.com

For questions about the services provided contact:
Travis Lusney | tlusney@poweradvisoryllc.com | 647-680-1154

Power Advisory LLC - Time Entry

Date Start: 4/1/2022 | Date End: 8/17/2022 | Clients: Power Advisory | Projects: IESO 2022 Revenue Requirement | Users: All | Client Type: All | Project Type: All | Location: All | Billing Method: All | Paid Status: All | Group By: Project

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Power Advisory LLC

55 University Avenue, Suite 700, PO Box 32
Toronto, ON M5J 2H7

**Ontario Waterpower Association**

380 Armour Rd., Suite 264
Peterborough, Ontario K9H 7L7

Invoice 2208053

Date	Aug 17, 2022
Terms	N/A
Service Thru	Aug 17, 2022

In Reference To: IESO 2022 Revenue Requirement (Labor)

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Power Advisory LLC - Time Entry

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Totals For IESO 2022 Revenue Requirement						30.00	30.00			\$9,700.00
Grand Total						30.00	30.00			\$9,700.00
\$3,233.33 each										

CASE
EB-2022-0002: Rates:
Distribution: Independent
Electricity System Operator

COST CLAIM
EB-2022-0002 : 1 : Sarah
Simmons

INTERVENOR NAME
Simmons, Sarah; +1 (647)
525-9373
ssimmons@poweradvisoryllc.com

**PARTICIPANT
CLAIM STATUS**
Submitted

FILING PARTICIPANT	NEW PARTICIPANT Yes	NON-FILING PARTICIPANT F. NAME Terry	NON-FILING PARTICIPANT L. NAME Young
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SERVICE PROVIDER TYPE Consultant	YEAR CALLED TO BAR	COMPLETED YEARS PRACTICING/YEARS OF RELEVANT EXPERIENCE 40	HOURLY RATE 330
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CV STATUS (FOR CONSULTANT/ANALYST) CV Attached	LAST CV DATE August 17, 2022	HST RATE CHARGED 13.00
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HEARINGS Yes	CONSULTATIONS No	DISBURSEMENTS No
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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	0.00	330		13.00		
Discovery						
Preparation of Interrogatories	3.00	330	990.00	13.00	128.70	1,118.70
Review Interrogatory Responses	1.00	330	330.00	13.00	42.90	372.90
Technical Conference Preparation		330		13.00		
Technical Conference Attendance		330		13.00		
Technical Conference Follow Up		330		13.00		
Issues List						
Preparation	4.00	330	1,320.00	13.00	171.60	1,491.60
Attendance at Issues Conference		330		13.00		
Intervenor Evidence						
Preparation		330		13.00		
Interrogatory Responses		330		13.00		
Preparation of Witness(es) for Attendance at Hearing		330		13.00		
Settlement Conference / ADR						
Preparation		330		13.00		
Attendance	4.00	330	1,320.00	13.00	171.60	1,491.60
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		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:	3,960.00	514.80	4,474.80	

Attachments

<u>Attachment</u>	<u>Document Type</u>	<u>Import Message</u>
REASCWA Invoice Aug 17.pdf	Invoice	Power Advisory Invoices to REASCWA Members
CV - Terry Young.pdf	CV	Terry Young CV (Power Advisory Subcontractor)
TY - EB-2022-0002.xlsx	Time Docket	Terry Young Timesheets (Power Advisory Subcontractor)

Hearings, Consultations, Disbursements Attachments

<u>Attachment</u>	<u>Related Disbursement Claim</u>	<u>Document Type</u>	<u>Claim Type</u>	<u>Import Message</u>
REASCWA Invoice Aug 17.pdf		Invoice	Hearings	Power Advisory Invoices to REASCWA Members
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TY - EB-2022-0002.xlsx		Time Docket	Hearings	Terry Young Timesheets (Power Advisory Subcontractor)

Power Advisory LLC

55 University Avenue, Suite 700, PO Box 32
Toronto, ON M5J 2H7

**Canadian Renewable Energy Association**

Brandy Giannetta
240 Bank Street
Suite 400
Ottawa, Ontario K2P 1X4

Invoice 2208051

Date	Aug 17, 2022
Terms	N/A
Service Thru	Aug 17, 2022

In Reference To: IESO 2022 Revenue Requirement (Labor)

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	Total Invoice Amount	\$ 3,653.66
	Previous Balance	\$ 0.00
	Balance (Amount Due)	\$ 3,653.66

Notes:

Power Advisory LLC remittance address indicated above. Electronic payment instructions available upon request.

For invoice and payment questions contact:
Julie Glover (jglover@poweradvisoryllc.com)

Power Advisory LLC - Time Entry

Date Start: 4/1/2022 | Date End: 8/17/2022 | Clients: Power Advisory | Projects: IESO 2022 Revenue Requirement | Users: All | Client Type: All | Project Type: All | Location: All | Billing Method: All | Paid Status: All | Group By: Project

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Grand Total						30.00	30.00			\$9,700.00
\$3,233.33 each										

Power Advisory LLC

55 University Avenue, Suite 700, PO Box 32
Toronto, ON M5J 2H7

**Energy Storage Canada**

Justin Rangooni
777 Bay Street
Unit C208B
Toronto, Ontario M5G 2C8

Invoice 2208052

Date	Aug 17, 2022
Terms	N/A
Service Thru	Aug 17, 2022

In Reference To: IESO 2022 Revenue Requirement (Labor)

Representation of the Canadian Renewable Energy Association (CanREA), Energy Storage Canada (ESC) and Ontario Waterpower Association (OWA), collectively referred to as REASCWA, in the IESO's application before the Ontario Energy Board seeking approval for its proposed 2022 expenditure and revenue requirement. (EB-2022-0002)

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	Labor HST 81338 8691 RT001	\$ 420.33
	Total Labor	\$ 3,653.66
	Total Invoice Amount	\$ 3,653.66
	Previous Balance	\$ 0.00
	Balance (Amount Due)	\$ 3,653.66

Notes:

Please make the check payable to Power Advisory LLC and send to the address above.

For invoice and payment questions contact:
Julie Glover | jglover@poweradvisoryllc.com

For questions about the services provided contact:
Travis Lusney | tlusney@poweradvisoryllc.com | 647-680-1154

Power Advisory LLC - Time Entry

Date Start: 4/1/2022 | Date End: 8/17/2022 | Clients: Power Advisory | Projects: IESO 2022 Revenue Requirement | Users: All | Client Type: All | Project Type: All | Location: All | Billing Method: All | Paid Status: All | Group By: Project

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\$3,233.33 each										

Power Advisory LLC

55 University Avenue, Suite 700, PO Box 32
Toronto, ON M5J 2H7

**Ontario Waterpower Association**

380 Armour Rd., Suite 264
Peterborough, Ontario K9H 7L7

Invoice 2208053

Date	Aug 17, 2022
Terms	N/A
Service Thru	Aug 17, 2022

In Reference To: IESO 2022 Revenue Requirement (Labor)

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06/13/2022	Power Advisory	T - Time & Materials	Jason Chee-Aloy	Unassigned	Settlement Conference	3.00	3.00	Y	\$330.00/hr	\$990.00
06/13/2022	Power Advisory	T - Time & Materials	Power Advisory Contractor	Unassigned	Settlement Conference	2.00	2.00	Y	\$330.00/hr	\$660.00

06/14/2022	Power Advisory	T - Time & Materials	Jason Chee-Aloy	Unassigned	Settlement Conference	2.00	2.00	Y	\$330.00/hr	\$660.00
06/14/2022	Power Advisory	T - Time & Materials	Power Advisory Contractor	Unassigned	Settlement Conference	2.00	2.00	Y	\$330.00/hr	\$660.00
Totals For IESO 2022 Revenue Requirement						30.00	30.00			\$9,700.00
Grand Total						30.00	30.00			\$9,700.00
\$3,233.33 each										

Terry Young

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Profile

An established, well known senior energy executive. A recognized thought leader and speaker on energy issues who continues to be engaged in addressing needed change in the sector to meet emerging electricity needs and respond to expected policy changes including climate change and decarbonization.

Experience

Young and Associates

President

August, 2021 to Present

- Consulting for clients in the energy sector in Ontario

Independent Electricity System Operator

Interim President and CEO

September, 2020 to May, 2021

- Lead the IESO through its ongoing response to the pandemic
- Managed the ongoing relationship with the provincial government
- Initiated the IESO's study assessing the impacts of phasing out natural gas by 203;
- Set a path forward for the competitive acquisition of resources to address emerging energy needs

Vice President, Policy Engagement and Innovation

November, 2017 to September, 2021

- Responsible for managing the IESO's external relationships with governments, stakeholders, municipalities, communities, market participants, Local Distribution Companies, media and Indigenous Communities
- Served as Corporate Spokesperson for the IESO
- Developed and participated on the IESO's Stakeholder Advisory Committee, an IESO Board of Directors appointed group of senior stakeholders that provide energy-related advice to the Board and Executive

- Lead the IESO's efforts in working with Local Distribution Companies to design and deliver the provincial government's energy conservation programs that collectively saved enough electricity to power 1.7 million homes for one year
- Established the IESO's innovation function

Other IESO notables

- Lead the IESO's communications response to 2003 blackout
- Executive responsibility for Human Resources 2013-2014
- A member of the Board-Executive committee overseeing the IESO=OPA merger

Hydro One 1998-2002

- Director of Communications

Ontario Hydro 1982-1998

- Various responsibilities including Director of Communications

Education

Broadcast Journalism – British Columbia Institute of Technology.

References

Available upon request