EB-2019-0207 : 3 : Debbie Dey

COST CLAIM NUMBER 230	SUBMISSION DEADLINE DATE February 25, 2022	CLAIM STATUS Submitted
EB# EB-2019-0207: Initiatives: Regulatory Direction and Oversight: Ontario Energy Board	OTHER EB#S	PHASE #* 3
INTERVENOR Dey, Debbie; +1 (416) 864-9700 x.216 ddey@foglers.com	INTERVENOR COMPANY* Building Owners and Managers Association, Toronto: Cooperative	INTERVENOR TYPE Full Registrant
HST RATE ONTARIO 13.00	EXCHANGE RATE	COUNTRY
HST NUMBER R119420859	LATE SUBMISSION ALLOWED	EXTENSION DEADLINE DATE

PARTICIPANTS

New	Non-Filir	ng Participant First, Last Name	Filing Participant	Total (\$)	Participant Claim Status
Yes	lan	, Jarvis		4,940.93	Submitted
Yes	Pavel	, Rusyaev		1,474.65	Submitted

TOTAL LEGAL/CONSULTANT/OTHER FEES 5,677.50	TOTAL DISBURSEMENTS 0.00	TOTAL HST 738.08		
TOTAL CLAIM 6,415.58	TOTAL AMOUNT AWARDED			
REASON FOR DISALLOWANCE	REASON FOR DISALLOWANCE - 2	REASON FOR DISALLOWANCE - 3		
MAKE CHEQUE PAYABLE TO Enerlife Consulting Inc.				
SEND PAYMENT TO ADDRESS 90 Eglinton Avenue East Suite 412 Toronto, ON M4P 2Y3 SUBMIT SECTION I am a representative of the Party. I have examined all o	f the documentation in support of this cost claim	ATTENTION		
incurred and time spent are directly related to the Party's				
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 Debbie Dey DATE SUBMITTED February 24, 2022

CASE EB-2019-0207: Initiatives: Regulatory Direction and Oversight: Ontario Energy Boar	COST CLAIM EB-2019-0207 : 3 : Debbie Dey rd	INTERVENOR NAME Dey, Debbie; +1 (416) 864-9700 x.216 ddey@foglers.com	PARTICIPANT CLAIM STATUS Submitted
FILING PARTICIPANT	NEW PARTICIPANT Yes	NON-FILING PARTICIPANT F. NAME lan	NON-FILING PARTICIPANT L. NAME Jarvis
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 February 24, 2022		HST RATE CHARGED 13.00
HEARINGS No	CONSULTATIONS Yes	DISBURSEMENTS No	

February 24, 2022

Attachments

Description	<u>Maximum</u> <u>Hour</u> <u>Hours</u>	<u>s</u>	<u>Hourly</u> <u>Rate</u>	<u>Sub</u> Total	<u>HST</u> Rate	<u>HST</u>	<u>Total</u>
August 16, 2021 - Working Group Meeting #1 (Tranche 3)	3.75	2.00	330	660.	00 13.00	85.80	745.80
September 28, 2021 - Working Group Meeting #2 (Tranche 3)	3.75	3.00	330	990.	00 13.00	128.70	1,118.70
November 3, 2021 - Technical Subgroup Meeting #1	3.75	3.75	330	1.237.	50 13.00	160.88	1,398.38
December 9, 2021 - Process Subgroup Consultation Total	4.50	4.50	330	1.485.	00 13.00	193.05	1,678.05
Total Legal/Consultant Fees				4.372.	50	568.43	4,940.93

<u>Attachment</u>	Document Type	Import Message
CV_lan_Jarvis.pdf	CV	
Jarvis_Invoice.pdf	Invoice	
Jarvis_Invoice.pdf	Time Docket	

Hearings, Consultations, Disbursements Attachments

Attachment

Related Disbursement Claim

CV_lan_Jarvis.pdf Jarvis_Invoice.pdf Jarvis_Invoice.pdf sbursement Claim

Document

TypeClaim TypeCVConsultationsInvoiceConsultationsTime DockeConsultations

Import Message



To: Ontario Energy Board
2300 Yonge Street
Suite 2701
Toronto, Ontario M4P 1E4
Re: OEB file: EB-2019-0207 Distributed Energy Resources (DER) Connections Review

Date: February 23, 2022

			Invoice:	3455
lan Jarvis				
Date	Hours	Description	Rate	
August 16, 2021	2.00	Attendance at meeting - Aug 16, 2021	\$ 330.00	
September 20, 2021	0.50	Response re priorities		
September 28, 2021	2.50	Attendance at meeting - September 28, 2021		
November 3, 2021	2.50	Attendance at meeting - November 3, 2021		
November 4, 2021	1.25	Correspondence, response to HONI		
December 8, 2021	1.00	Meeting preparation and document review		
December 9, 2021	3.50	Attendance at meeting - December 9th, 2021		
Pavel Rusyaev			Rate	
December 8, 2021	2.00	Preparation for meeting	\$ 290.00	
December 9, 2021	3.00	Attendance at meeting - December 9th, 2021		
Total	18.25			
			Total Consultir	ng Fees

Business number 86868 2014 RT0001

Payment due upon receipt of invoice. Please make cheque payable to Enerlife Consulting Inc.

IAN JARVIS BSc, PEng

President, Enerlife Consulting Inc., 2001 to present Ian.jarvis@enerlife.com 416-915-1530 ext. 203

SUMMARY OF PROFESSIONAL EXPERIENCE

Enerlife's founder and president since 2001, Ian Jarvis is a recognized business leader and authority on energy conservation, green buildings and sustainable communities. Ian has been at the leading edge of practice and research of high-performance buildings for more than three decades. He was the founding Chair of the Canada Green Building council and co-chair of Civic Action's Race to Reduce. Ian provides strategic and technical advice to Enerlife's projects and clients, forms and leads Integrated Building Performance Teams, and brings unique knowledge and experience of achieving and sustaining exceptional performance in individual buildings and portfolios. He is an expert witness in regulatory hearings and advises governments and utility companies on policy and program design and evaluation. Ian has served on advisory boards for the Ontario Energy Board and the Independent Electricity System Operator. He is an accomplished speaker and workshop leader.

Ian is the principal architect of Enerlife's evidence-based building performance diagnostic, management and reporting methodology, tools and online system. His knowledge is grounded in over 30 years of experience designing, implementing and measuring savings in energy efficiency projects in a wide range of building types for clients in the municipal, commercial, school board, healthcare, and multi-unit residential sectors.

Ian co-chaired the working group for Civic Action's Race to Reduce from 2013-2016, a large-scale, collaborative program among landlords and tenants which is substantially improving the energy and environmental performance of office buildings. He has served as an adjudicator of the NAIOP REX Green Award for commercial buildings. In 2015, he received the Leader Award from the Canada Green Building Council's Greater Toronto Chapter.

From 1992 to 1999 Ian was CEO of a leading energy performance contractor responsible for many of the largest energy retrofit projects in North America. Ian served as founding chair of the Canada Green Building Council from 2003-2007, and as a director of Milton Hydro, one of the most progressive local electric distribution utilities in Ontario, from 2000-2007.

Ian represented the energy efficiency industry on the 1998 Team Canada trade mission to South America and was the Canadian Government's invited private sector representative at the 1999 Hemispheric Energy Ministers' Conference in New Orleans. In 2001 he was a member of Premier Hamm's expert panel advising the Nova Scotia Government on energy policy alternatives.



HIGHLIGHTS OF EXPERIENCE

- Over 30 years of experience at the leading edge of energy performance in buildings
- Principal architect of performance-based conservation methodology as an evidencebased approach for achieving and sustaining exceptional energy efficiency in buildings

AREAS OF SPECIALIZATION

- Vision and strategy development
- Authority on evidence-based energy conservation in buildings
- Portfolio and sectoral program design
- Author of thought leadership articles & reports
- Leadership of multi-disciplinary workshops and project teams
- Keynote addresses and speaking engagements

PROFESSIONAL AFFILIATIONS

- Founding Chair, Canada Green Building Council (2003 – 2007)
- Member, National Advisory Council on Energy Efficiency (1999 to present)
- Member, Ontario Energy Minister's Advisory Committee (2006 – 2011)
- Professional Engineers Ontario

ACADEMIC QUALIFICATIONS

 Bachelor of Science (Honours), Mechanical Engineering, Imperial College of Science and Technology, University of London

RELEVANT PROJECTS



Alberta Health Services

Ian led the development of comprehensive, achievable and actionable multi-year plans for AHS and their affiliated organizations for delivering the energy and water savings, economic and emissions reduction potential for 195 healthcare facilities across Alberta.

Halton Healthcare

Lead consultant to the hospital advising on, verifying and correcting FM providers' Energy Matters Schedule (EMS) reporting for Milton District and Oakville Trafalgar sites, working with HHS and service providers to improve energy performance and streamline the reporting process.

Cadillac Fairview Corporation

Ian developed and leads the integrated building performance process taking five major commercial office buildings to unprecedented levels of energy and water efficiency. The integrated building performance process at Cadillac Fairview's Simcoe Place has been showcased by the Independent Electricity System Operator numerous times at conferences, in advertising and through on-site tours.

Hospital Projects

Ian has been directly responsible for all Enerlife assignments related to new hospital development over the past 5 years, including the West Park and South Niagara Hospital projects, working as specialist advisor to hospital management. Between 2014-2017 he was the project lead for assignments with Baycrest, Muskoka Algonquin and Orillia Soldiers' Memorial leading to resolution of guaranteed savings disputes. He is the principal responsible for the Markham Stouffville, West Park and Alberta Health Services projects.

Oxford Properties

Senior Technical Lead and Project Lead for the development of Net Zero Carbon Analysis for Oxford Properties. Ian led the development of Oxford Properties Net Zero Model, a structured analytical model that outlined how their global commercial office, retail and hotel portfolio could achieve a global real estate portfolio emissions reduction target aligned with a science-based target.

Mayors' Megawatt Challenge and other Climate Challenge Network Programs

Concept design, development and ongoing executive oversight of large-scale energy conservation potential studies and program delivery, including:

- Greening Health Care (since 2004) with hospitals
- Mayors' Megawatt Challenge (since 2003) with municipalities
- Sustainable Schools (since 2005) developing and distributing an annual report on the energy and water performance and savings potential of all Ontario school boards

Ontario Energy and Infrastructure Markets Consultant

Ian is a recognized authority on Measurement and Verification of energy savings. He served as a member of the joint IESO/OEB advisory committee examining conservation potential in Ontario and represents building owners in regulatory hearings on energy savings incentive programs. He advised both Enbridge and the IESO on development of their performance-based incentive programs.

Public Sector Energy Conservation and Demand Management Plans

Development of concise, consistent, evidence-based plans for achieving top-quartile energy performance for hospitals, K-12 schools, municipalities and 615 New York State nursing homes.



To: Ontario Energy Board
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Suite 2701
Toronto, Ontario M4P 1E4
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SERVICE PROVIDER TYPE Consultant	YEAR CALLED TO BAR	COMPLETED YEARS PRACTICING/YEARS OF RELEVANT EXPERIENCE 14	HOURLY RATE 290
CV STATUS (FOR CONSULTANT/ANALYST) CV Attached	LAST CV DATE February 24, 2022		HST RATE CHARGED 13.00
HEARINGS No	CONSULTATIONS Yes	DISBURSEMENTS No	

February 24, 2022

CONSULTATION Description		<u>laximum</u> <u>Ho</u>	<u>urs</u>	<u>Hourly</u>	Sub	<u>HST</u>		
		<u>Hours</u>		<u>Rate</u>	<u>Total</u>	<u>Rate</u>	<u>HST</u>	<u>Total</u>
December 9, 2021 - Process Subgro Consultation Total	up	4.50	4.50	290	1.305.00	13.00	169.65	1,474.65
Total Legal/Consultant Fees					1.305.00		169.65	1,474.65
Attachments								
Attachment	Document Type	e Import	Messag	e				
CV_Pavel_Rusyaev.pdf Rusyaev_Invoice.pdf Rusyaev_Invoice.pdf	CV Invoice Time Docket							

Hearings, Consultations, Disbursements Attachments

Attachment Related Disbursement Claim

CV_Pavel_Rusyaev. pdf Rusyaev_Invoice.pdf Rusyaev_Invoice.pdf

Document_		
<u>Type</u>	<u>Claim Type</u>	Import Message
CV	Consultations	
Invoice	Consultations	
Time Docke	Consultations	



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PAVEL RUSYAEV BA

IT and Analytics Manager, Enerlife Consulting Inc., 2008 to present prusyaev@enerlife.com 416-915-1530 ext. 209

SUMMARY OF PROFESSIONAL EXPERIENCE

Pavel Rusyaev is the senior member of Enerlife's data analytics team which provides the foundation for all of the company's work. He plays a key role in virtually all of Enerlife's projects and programs while producing the benchmarks, targets and metrics for our research, development, and demonstration initiatives. Pavel develops, maintains and updates Enerlife's tools, databases and online energy management system used for analyzing, organizing and visually presenting energy performance results. His experience spans the range of building performance data, from electricity, gas and water utilities (including interval metering), to building automation system (BAS) trend logs, to weather data. He applies exceptional data analysis skills to ensure consistency and reliability of data and excels in visual presentation of complex data to be understandable for technical and non-technical audiences.

Pavel is responsible for management and ongoing development of Enerlife's online Green Building Performance System and for proper documentation of systems, methodologies and tools. He manages data retrieval, quality control and analysis for hundreds of owners and thousands of buildings, including setting baselines and targets and reporting on energy savings. Pavel's strong organizational and project management skills support internal teams as well as external clients and program members with timely and reliable information.

REPRESENTATIVE PROJECTS

Greening Health Care

Pavel is responsible for data retrieval into Enerlife's online system for 60 member hospitals across Canada, producing the benchmarking and savings charts used by members to identify conservation measures and monitor actual savings over time. He develops and maintains the interval meter diagnostic tools used to identify and verify specific energy efficiency measures and is building our international benchmarking database which now contains over a thousand hospitals, importing publicly reported data from a variety of platforms.

Alberta Health Services Utility Management Plan

Pavel managed data retrieval and processing for this multi-year energy and carbon reduction plan covering 193 healthcare facilities across Alberta. He developed customized tools including an online building information survey which was successfully completed by over 95% of the hospitals and the financial modeling which enabled the what-if scenario testing used to develop the recommended investment and implementation strategy.

New York Nursing Homes Clean Energy Plan

Pavel worked with a number of data sources of varying detail and quality to produce and test and robust energy, emissions and financial model for New York State's 615 nursing homes. This work for the Department of Health and the New York State Energy Research and Development Authority (NYSERDA) identified readily achievable annual savings potential in excess of \$100 million with emissions reductions up to 44%, along with the one third of buildings which make up two-thirds of the overall savings.



HIGHLIGHTS OF EXPERIENCE

- In-depth, visual analytical tools for diagnosing inefficiencies and verifying actual, weather-normalized energy savings
- Research into applications of multivariable analysis to improve accuracy of savings calculations
- Managing baselines and savings reporting using monthly billing data for thousands of buildings.
- Streamlined data retrieval and quality control from various platforms
- Normalized benchmark reporting methodology for very large datasets from different geographic locations
- Diagnostic tools for interval meter and BAS trend seasonal profiles used to uncover savings opportunities

AREAS OF SPECIALIZATION

- Python, Excel and VBA programming
- Data retrieval and quality control management
- Individual building and mass data analytical tool and model development
- Pattern recognition for building performance analysis

PROFESSIONAL AFFILIATIONS

- Advanced Diploma in Computer Programming and Analysis, Seneca College
- Bachelor of Arts, Tashkent State Institute of Oriental Studies
- Working Group member of the Ontario Energy Board's policy development around Green Button data retrieval and Distributed Energy Resources

Pavel Rusyaev, IT and Analytics Manager prusyaev@enerlife.com 416-915-1530 ext. 209



Sustainable Schools Top Energy Performing Boards Report

Pavel designed and continues to develop this annual reporting which recognizes the most energy efficient of Ontario's 72 school boards. The sophisticated model contains almost 5,000 buildings and uses publicly reported annual data to produce the rational, weather normalized energy target, the resulting achievable savings potential and actual savings achieved since the previous year for each individual building. The model rolls up results to determine the top-20 boards for recognition while generating detailed information to guide every board in identifying its top savings potential buildings and appropriate energy conservation measures.

Cadillac Fairview Office Buildings

Pavel developed and manages the weekly reporting tool, using interval electric, thermal and water meter data, which is now used by the energy teams for multiple buildings to identify and correct operational measures and drive continuous performance improvement.

Pavel Rusyaev, IT and Analytics Manager prusyaev@enerlife.com 416-915-1530 ext. 209



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