

EB-2021-0118 : 2 : Albert Engel

COST CLAIM NUMBER 682	SUBMISSION DEADLINE DATE September 26, 2022	CLAIM STATUS Approved by Finance
EB# EB-2021-0118: Initiatives: Regulatory Direction and Oversight: Ontario Energy Board	OTHER EB#S	PHASE #* 2
INTERVENOR Engel, Albert; +1 (416) 864-7602 aengel@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 No	EXTENSION DEADLINE DATE

PARTICIPANTS

New	Non-Filing Participant First, Last Name	Filing Participant	Participant Total (\$) Claim Status
No	,	Jarvis, Ian; +1 (416) 915-1530 x.203 ijarvis@enerlife.com	2,796.75 Submitted

ATTACHMENTS

Attachment	Attachment Date	Participant	Document Type	Claim Type	Import Message
Jarvis_Invoice.pdf			Invoice		
Jarvis_Invoice.pdf			Time Docket		
BOMA EB-2021-0118 Cost Claim 092320220726.pdf					

TOTAL LEGAL/CONSULTANT/OTHER FEES 2,475.00	TOTAL DISBURSEMENTS 0.00	TOTAL HST 321.75
TOTAL CLAIM 2,796.75	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  
Enerlife Consulting Inc.  
90 Eglinton Ave East, Suite 412  
Toronto, ON  
M4P 2Y3

ATTENTION  
Ian Jarvis

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  
Albert Engel

DATE SUBMITTED  
September 23, 2022

**Ian Jarvis**

<b>CASE</b>	<b>COST CLAIM</b>	<b>INTERVENOR NAME</b>	<b>PARTICIPANT CLAIM STATUS</b>
EB-2021-0118: Initiatives: Regulatory Direction and Oversight: Ontario Energy Board	EB-2021-0118 : 2 : Albert Engel	Engel, Albert; +1 (416) 864-7602 aengel@foglers.com	Submitted

<b>FILING PARTICIPANT</b>	<b>NEW PARTICIPANT</b>	<b>NON-FILING PARTICIPANT F. NAME</b>	<b>NON-FILING PARTICIPANT L. NAME</b>
Jarvis, Ian; +1 (416) 915-1530 x.203 ijarvis@enerlife.com	No		

<b>SERVICE PROVIDER TYPE</b>	<b>YEAR CALLED TO BAR</b>	<b>COMPLETED YEARS PRACTICING/YEARS OF RELEVANT EXPERIENCE</b>	<b>HOURLY RATE</b>
Consultant		30	330

<b>CV STATUS (FOR CONSULTANT/ANALYST)</b>	<b>LAST CV DATE</b>	<b>HST RATE CHARGED</b>
CV Attached	September 23, 2022	13.00

<b>HEARINGS</b>	<b>CONSULTATIONS</b>	<b>DISBURSEMENTS</b>
No	Yes	No

**CONSULTATION**

<u>Description</u>	<u>Maximum Hours</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Sub Total</u>	<u>HST Rate</u>	<u>HST</u>	<u>Total</u>
Written comments on FEIWG Report to the OEB (and sub-group reports)	10.00	7.50	330	2,475.00	13.00	321.75	2,796.75
Consultation Total							
Total Legal/Consultant Fees				2,475.00		321.75	2,796.75

**Attachments**

<u>Attachment</u>	<u>Document Type</u>	<u>Import Message</u>
Jarvis_Invoice.pdf	Invoice	
Jarvis_Invoice.pdf	Time Docket	
Enerlife CV Ian Jarvis 2022	CV	

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**Hearings, Consultations, Disbursements Attachments**

<u>Attachment</u>	<u>Related Disbursement Claim</u>	<u>Document</u> <u>Type</u>	<u>Claim Type</u>	<u>Import Message</u>
Jarvis_Invoice.pdf		Invoice	Consultations	
Jarvis_Invoice.pdf		Time Docket	Consultations	
Enerlife CV Ian		CV	Consultations	
Jarvis 2022				



**To:** Ontario Energy Board  
2300 Yonge Street  
Suite 2701  
Toronto, Ontario M4P 1E4

**Re:** **EB-2021-0118** Framework for Energy Innovation – Distribution Resources and Utility Incentives

**Date:** Monday September 19, 2022

90 Eglinton Ave. East, Suite 412  
Toronto, ON  
M4P 2Y3  
Canada  
Tel: 416.915.1530  
Fax: 416.915.1534

Invoice: 3604				
Date	Hours	Analyst/Consultant/C ase Mgmt	Description	Rate
Friday, July 22, 2022	0.75	Ian Jarvis	Review correspondence	\$330
Monday, July 25, 2022	0.25	Ian Jarvis	Review correspondence, draft response	\$330
Friday, September 2, 2022	6.50	Ian Jarvis	Review material and submission	\$330
				<u>Total</u>
				<u>\$247.50</u>
				<u>\$82.50</u>
				<u>\$2,145.00</u>

\$2,475.00

HST \$321.75  
**Total Amount** \$2,796.75

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

Ian A. Jarvis  
President



**To:** Ontario Energy Board  
2300 Yonge Street  
Suite 2701  
Toronto, Ontario M4P 1E4

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Ian A. Jarvis  
President

## 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 an authority on energy conservation, green buildings and sustainable communities. Since presenting his paper on the first utility data analysis system to the CIB Congress in Stockholm in August 1983, Ian has been at the leading edge of practice and research of high performance buildings for three decades. He is the principal architect of Enerlife's evidence-based building performance diagnostic, management and reporting methodology, tools and online system. 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, sectors, campuses and portfolios. He is an expert witness in regulatory hearings, and advises governments and utility companies on policy and program design and evaluation. Ian is an accomplished speaker and workshop leader, and has authored many articles and reports on energy efficiency in buildings.

Ian co-chaired the working group for CivicAction'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 also been an adjudicator of the NAIOP REX Green Award for commercial buildings.

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. In 2013, Ian was an expert witness at the Ontario Energy Board's hearing on Enbridge's Greater Toronto Area pipeline. In 2015, he received the Leader Award from the Canada Green Building Council's Greater Toronto Chapter.

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' experience at the leading edge of energy performance in buildings
- Founding partner and CEO of Rose Technology Group during growth across Canada and the United States
- Principal architect of performance-based conservation as a new, evidence-based methodology for 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

### 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.

### Cadillac Fairview Corporation

Developed and leads the integrated building performance process taking five major commercial office buildings to achieving unprecedented levels of energy and water efficiency. All buildings have achieved high 90s in Energy Star scores. The flagship building, Simcoe Place, won the 2013 Race to Reduce Energy Champion award for both the approach and the substantive energy savings achieved. The integrated building performance process at Simcoe Place has been showcased by the Independent Electricity System Operator numerous times at conferences, in advertising and through on-site tours.

### 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), Mayors' Megawatt Challenge (since 2003), Sustainable Schools (since 2005)

### 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.

### Simcoe County District School Board

Master planning, development and deployment of a comprehensive evidence-based implementation project to achieve targeted energy performance standards in high-potential schools, resulting in energy savings of over \$3.5 million. A subsequent phase of this program, also managed by Enerlife, is currently underway.

### 20 by '15 Commercial Office Building Target (for Real Property Association of Canada)

Development of Real Property Association of Canada's 20 by '15 energy performance target and white paper for commercial office buildings and the related methodology and reporting template for their national benchmarking program.

### Oxford Properties

Technical content for development of their Sustainable Intelligence Operations Guide for Office Buildings, a practical tool for enhancing the environmental performance of Oxford's buildings. Development of corporate energy and emissions reduction potential for almost 100 buildings in Canada, the United States and Europe.

### GREEN UP Pilot Projects and Programs (for Canada Green Building Council), 2007-2012

Concept design, development and executive oversight of national GREEN UP pilot projects and program development for the Canada Green Building Council (CaGBC). The pilot projects informed and tested the introduction of LEED Existing Buildings: O+M in Canada, and established GREEN UP across Canada as the CaGBC's performance-based complement to LEED Canada.

## PUBLICATIONS & RESEARCH

"Getting to 20: Achieving 20 ekWh/sf/year in Town/City Halls by 2015" White paper for Toronto and Region Conservation Authority, 2013

"Where the Green Jobs Are: Harnessing the Energy Conservation Potential in Buildings" White paper, 2011

"20 by '15: Achieving the Office Building Target of 20 ekWh/ft<sup>2</sup>/year by 2015" White paper for the Real Property Association of Canada, 2009

"Closing the loops: How real building performance data drive continual improvement" Article for Intelligent Buildings International journal, 2009

"A Deeper Shade of Green" Article for ReNew Canada: The Infrastructure Renewal Magazine, 2007

"Realizing the Electricity Conservation potential in Ontario's Private Rental Housing Sector" Study for the Ontario Power Authority, 2006

National study for Natural Resources Canada into actual versus modeled energy performance of buildings designed under the federal CBIP program, 2004

"Making Ontario the Leader in Energy Efficiency" (Co-author) A study for the Ontario Ministry of Energy, which became the foundation document for Ontario's Green Energy Act, 2003

"Sustainable Peterborough" A guide to sustainable communities sponsored by the Government of Canada, 2002

"The SUMAC System: Relentless Progress Towards Optimum Energy Use in Buildings" Presentation to the CIB Congress in Stockholm, Sweden, 1983