September 8, 2015

Via Email
Original via Mail

British Columbia Utilities Commission
Sixth Floor
900 Howe Street
Vancouver, B.C.
V6Z 2N3

Attention: Ms. Erica M. Hamilton, Commission Secretary

Dear Ms. Hamilton:

Re: Creative Energy Vancouver Platforms Inc. (Creative Energy)
Application for a Certificate of Public Convenience and Necessity (CPCN) for a Low Carbon Neighbourhood Energy System (NES) for Northeast False Creek and Chinatown (NEFCC) Neighbourhoods of Vancouver (the Application)

FortisBC Energy Inc. (FEI) Witness Panel, Direct Testimony and Notice of Cross Examination

The regulatory review timetable established by the British Columbia Utilities Commission (the Commission) in Order G-119-15, sets the Oral Hearing on Creative Energy’s Application to commence on Monday, September 14, 2015.

FEI intends to call one Witness Panel consisting of the following four witnesses:

- Mr. Jason Wolfe;
- Ms. Bea Bains;
- Ms. Michelle Carman; and
- Dr. Roger Ware (Expert)

Attached is the Direct Testimony of the three company witnesses.
Dr. Ware’s CV is appended to his expert evidence at Exhibit C7-9, and for convenience is also attached hereto. His evidence summarizes his experience and the scope and nature of his retainer.

The Witness Panel will have an opening statement, which will be filed by Thursday, September 10.

Legal counsel for FEI will make opening remarks at the outset of the proceeding.

Legal counsel for FEI intends to cross-examine Creative Energy’s Witness Panel.

FEI acknowledges Creative Energy’s advice regarding the attendance of Dr. Ware. FEI would still make Dr. Ware available if the Commission or another intervener wished to ask him questions. FEI would appreciate being advised in that regard by Thursday, September 10, if possible.

With respect to Creative Energy’s proposal to have the cross-examination on the rebuttal evidence occur as part of Creative Energy’s initial Witness Panel, FEI will only be able to advise of its position once it has had the opportunity to digest the rebuttal evidence due to be filed tomorrow.

If further information is required, please contact Jason Wolfe, Director, Energy Solutions at (604) 592-7516.

Sincerely,

FOR\TISBC ENERGY INC.

Original signed:

Diane Roy

Attachments

cc (email only): Registered Parties
In the Matter of an Application by Creative Energy Vancouver Platforms Inc. for a Certificate of Public Convenience and Necessity (CPCN) for a Low Carbon Neighbourhood Energy System (NES) for Northeast False Creek and Chinatown (NEFCC) Neighbourhoods of Vancouver (the Application)

FortisBC Energy Inc. (FEI or the Company)
Witness Direct Testimony of Jason Wolfe

Q1. Please state your name and present position with FEI.
A1: My name is Jason Wolfe. I am the Director of Energy Solutions for FortisBC Energy Inc.

Q2. How long have you held that position?
A2: I have held this position since 2014.

Q3. What, if any, previous positions have you held with the Company?
A3: I joined FEI in 2002 and have held roles within various departments of the Company, including regulatory affairs, business development and marketing.

Q4. What positions did you hold prior to joining the Company and with whom?
A4: Prior to joining FEI, I worked as a consultant and prior to that in the not for profit sector.

Q5. What are your professional qualifications?
A5: I have the following degrees, a Bachelor of Physical Education, a Bachelor of Education and a Master of Business Administration.

Q6. Have you previously testified before this Commission?
A6: Yes, in a streamlined review proceeding.

Q7. What role did you play in the development of FEI’s evidence in this Application?
A7: I participated in the preparation of FEI’s evidence, as well as the responses to information requests on that evidence.

Q8. Does this complete your direct testimony?
A8: Yes.
In the Matter of an Application by Creative Energy Vancouver Platforms Inc. for a Certificate of Public Convenience and Necessity (CPCN) for a Low Carbon Neighbourhood Energy System (NES) for Northeast False Creek and Chinatown (NEFCC) Neighbourhoods of Vancouver (the Application)

FortisBC Energy Inc. (FEI or the Company)

Witness Direct Testimony of Bea Bains

Q1. Please state your name and present position with FEI.
A1: My name is Balbir Kaur Bains. I go by the first name Bea. I am the Manager, Business Performance and Technical Solutions for FortisBC Energy Inc.

Q2. How long have you held that position?
A2: I have held this position since 2012.

Q3. What, if any, previous positions have you held with the Company?
A3: I joined FEI in 2004 and have held roles in Finance, Customer Service and Market Development.

Q4. What positions did you hold prior to joining the Company and with whom?
A4: Prior to joining FEI, I worked for Best Buy Canada in various roles in marketing, advertising, budgeting and training.

Q5. What are your professional qualifications?
A5: I hold a Bachelor of Science (Honors) Economics, specialization in Accounting and Finance, from the London School of Economics and Political Science, a CPA-CGA designation, and an Executive Masters in Business Administration from Simon Fraser University.

Q6. Have you previously testified before this Commission?
A6: No.

Q7. What role did you play in the development of FEI’s evidence in this Application?
A7: I participated in the preparation of FEI’s evidence, as well as the responses to information requests on that evidence.

Q8. Does this complete your direct testimony?
A8: Yes.
In the Matter of an Application by Creative Energy Vancouver Platforms Inc. for a Certificate of Public Convenience and Necessity (CPCN) for a Low Carbon Neighbourhood Energy System (NES) for Northeast False Creek and Chinatown (NEFCC) Neighbourhoods of Vancouver (the Application)

FortisBC Energy Inc. (FEI or the Company)
Witness Direct Testimony of Michelle Carman

Q1. Please state your name and present position with FEI.
A1: My name is Michelle Carman. I am the Manager, Cost of Service for FortisBC Energy Inc.

Q2. How long have you held that position?
A2: I have held this position since 2010.

Q3. What, if any, previous positions have you held with the Company?
A3: I joined FEI in 2006 and held two roles within Finance (Regulatory Reporting Specialist and Financial Planning Manager) prior to joining the Regulatory Services Department in 2008.

Q4. What positions did you hold prior to joining the Company and with whom?
A4: Prior to joining FEI, I worked as a Rate Analyst in the Regulatory Affairs department of Manitoba Hydro.

Q5. What are your professional qualifications?
A5: I hold a Bachelor of Commerce (Honours) Degree with a major in Accounting and a CPA-CMA designation.

Q6. Have you previously testified before this Commission?
A6: Yes, in two streamlined review proceedings.

Q7. What role did you play in the development of FEI’s evidence in this Application?
A7: I participated in the preparation of FEI’s evidence, as well as the responses to information requests on that evidence.

Q8. Does this complete your direct testimony?
A8: Yes.
CURRICULUM VITAE

July 2015

NAME: Roger Ware

CURRENT POSITION: Professor, Queen's University

OFFICE ADDRESS: Department of Economics
Queen's University
Kingston, Ontario K7L 3N6

Tel: (613) 533 2295
Fax: (613) 544 7043

EMAIL: ware@qed.econ.queensu.ca

HOME ADDRESS: 241 Alwington Place
Kingston, Ontario
K7L 4P9

(613) 544 7043

DATE AND PLACE OF BIRTH: February 23, 1951 - England

CITIZENSHIP: Canadian and U.K.

EDUCATION:

B.A. Honours (Economics)
Cambridge University
Awarded June 1972

M.A. (Cantab) awarded July 31, 1976

M.A. (Industrial Economics)
University of Sussex, England
Awarded December 1973

Ph.D., Queen's University, Kingston,
Canada, Awarded October 1981
### POSITIONS HELD:

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Position Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 1997 - present</td>
<td>Professor, Queen’s University</td>
</tr>
<tr>
<td>January 1991 - June 1997</td>
<td>Associate Professor, Queens University</td>
</tr>
<tr>
<td>August 1993 - August 1994</td>
<td>Holder of T.D. MacDonald Chair in Industrial Economics, Bureau of Competition Policy, Ottawa</td>
</tr>
<tr>
<td>1989 - December 1990</td>
<td>Associate Professor, University of Toronto</td>
</tr>
<tr>
<td>1987-88</td>
<td>Visiting Associate Professor, Department of Economics, University of California, Berkeley.</td>
</tr>
<tr>
<td>1986-87</td>
<td>Sabbatical Leave. Visiting Research Scholar, Carleton University and National Bureau of Economic Research, Stanford University</td>
</tr>
<tr>
<td>July 1986</td>
<td>Promoted to Associate Professor with Tenure, University of Toronto.</td>
</tr>
<tr>
<td>1981-86</td>
<td>Assistant Professor (Economics), Erindale College, University of Toronto.</td>
</tr>
<tr>
<td>1980-81</td>
<td>Lecturer in Economics, Erindale College, University of Toronto.</td>
</tr>
<tr>
<td>1979-80</td>
<td>Instructor, Introductory Economics, Queen's University</td>
</tr>
<tr>
<td>1977-79</td>
<td>Various Tutorial and Research Assistantship Positions held, Queen's University.</td>
</tr>
</tbody>
</table>
POSITIONS HELD (continued)

1975-1977 U.K. Department of Industry, Industrial Policy Analysis and Briefing Division. Provided advice on government support for research and development, and special assistance schemes for industry. During this period I completed a cost-benefit study of cost sharing support for industrial development projects.


AWARDS:

Holder of R. Samuel Mclaughlin Scholarships for graduate studies at Queen's University, 1977-78, 1978-79, 1980-81 sessions.


SSHRC Research Grants:
1983: $6,760
1989: $14,250
1992: (3 year grant in the amounts of:) $19,500, $4,300, $2,300.

Awarded an SSHRC Leave Fellowship, 1986-87.
MAJOR FIELDS OF RESEARCH INTEREST:

Industrial Organization:
- Antitrust Economics and Competition Policy
- Strategic Behaviour
- Research and Development
- Dynamic Modelling
- Trade and Industrial Policy

Public Economics
BOOKS


JOURNAL PUBLICATIONS


“Predatory Pricing In Canada, The United States And Europe: Crouching Tiger or Hidden Dragon,” with Brian Facey, December 2003, *World Competition Review*


"Raising Rivals' Costs and Alcoa: a Rejoinder" (1994)  
*Canadian Competition Policy Record*, October.

*Canadian Competition Policy Record*, March.

"Markov Puppy Dogs and Related Animals," (1994) with Bev Lapham,  

"A Sequential Entry Model with Strategic Use of Excess Capacity," (1993) with Brad Barham, University of Wisconsin,  

"Evolutionary Stability in the Repeated Prisoner's Dilemma," (1989) with Joseph Farrell,  
*Theoretical Population Biology*, 36, 161-166.

"Eliminating Price Supports: a Political Economy Perspective," (1989) with Tracy Lewis and Robert Feenstra,  


*Southern Economic Journal*.

"A Theory of Market Structure with Sequential Entry" (1987), with Curtis Eaton,  

"A Model of Public Enterprise with Entry" (1986),  

"Long Term Bilateral Monopoly: The Case of a Resource" (1986), with Tracy Lewis and Robin Lindsey,  

"Public Pricing Under Imperfect Competition" (1986), with Ralph Winter,  

"On the Shapes of Market Lattices in Loschian Spatial Models" (1986), with Mukesh Eswaran,  
*Journal of Regional Science*. "Inventory Holding as a Strategic Weapon to Deter Entry" (1985)  
*Economica*, 52, 93-102.

"Lumpy Investment in a Growing Differentiated Market" (1984),  

"Sunk Costs and Strategic Commitment: A Proposed Three-Stage Equilibrium" (1984),  


**ARTICLES IN BOOKS**

Publication (on CD) of paper “The Role of Price Correlations” contained in proceedings of Canadian Bar Association 2004 Annual Fall Conference on Competition Law

Publication (on CD) of paper “Recent legislative changes: is competition law becoming too industry specific?” contained in proceedings of Canadian Bar Association 2002 Annual Fall Conference on Competition Law


**WORKING PAPERS**

“Price Cycles and Price Leadership in Gasoline Markets: New Evidence from
Canada” co-authored with David Byrne, SSRN Working Paper.

RECENT PROFESSIONAL ACTIVITIES


Presentations in Melbourne, Australia at Law and Economics Society, Australian Competition Commission, February-March 2012.

Presentation at New Zealand Competition Commission, March 2012.

Participated in a panel session on Competition Policy at the CEA Meetings, Ottawa, June 2011.

Participated in a panel session on Competition Policy at the CEA Meetings, Vancouver, June 2008.


Refereeing for The International Journal of Industrial Organization,

Presentations at the Canadian Bar Association annual conference, 2014

Presentation of a paper “Efficiencies and the Propane Case” at the CBA Competition Law Section Meetings, Ottawa, September 2000.

Membership of Professional Societies -

Member of Canadian Economics Association
RECENT EXPERT CONSULTING WORK

2015
Prepared two Reports for Rogers Communications on pole attachment rates, testified before the Ontario Energy Board and the New Brunswick Energy and Utilities Board, May and June 2015

2014
Retained by Microsoft to consult on Competition issues
Retained by Rogers to consult on Competition issues

2013
Retained by CNOC (Canadian Network Operators Consortium) to provide input on upcoming CRTC hearings on wholesale access and pricing policies.

Retained by Cogeco, Inc. to prepare a report and provide oral testimony before the CRTC in the matter of the purchase of Astral by Bell Canada (second hearing)

2012
Retained by Joint Defence Team in Class Action brought by B.C. merchants against Visa, MasterCard and Canadian Credit Card Issuers.

Retained by CF Industries to advise and provide expert consulting and assist in liaison with the Competition Bureau in the matter of a large transaction in the Nitrogen fertilizer industry.

Retained by Cogeco, Inc. to prepare a report and provide oral testimony before the CRTC in the matter of the purchase of Astral by Bell Canada (first hearing).

2011
Retained by Cogeco, Inc. to prepare a report on vertical integration in broadcasting and to testify before the Canadian Radio Telecommunications Commission (CRTC) in hearing in June, 2011.

Filed two reports for TDL (parent company of Tim Hortons) on aspects of the franchisor-franchisee relationship.

2010
August 2010 retained by the Ontario Energy Board as a member of the Market Surveillance Panel, an oversight body on electricity pricing.

April-June 2010 retained for Porter Airlines in litigation involving Air Canada and the Toronto Island Airport.

April 2010 retained by Pet Valu, Inc. to prepare a report on aspects of franchisor pricing.

2009
December 2009: retained by Interac, Inc. to give expert advice on competition issues involving the Interac debit card network. (This file is now closed).

August 2009 retained by TekSavvy, Inc. to prepare several reports and testify before the Canadian Radio Telecommunications Commission (CRTC) on competition and mandatory access in high speed internet services

August 2009 retained by TDL (parent company of Tim Hortons) to prepare a report on aspects of the franchisor-franchisee relationship.

2008

Retained by Microsoft for economic analysis of the search advertising industry.

Filed an expert report and presented oral testimony for Nadeau in a hearing under section 75 of the Competition Act at the Competition Tribunal, November 2008.

2007

Filed an expert report and testified before the CRTC in the October 2007 Hearing on Essential Facilities in Telecommunications

2006

Filed an expert report, presented oral testimony for Agricore United in a hearing under section 106 of the Competition Act, heard at the Competition Tribunal, March-April 2006.

Filed an expert report, presented oral testimony for Rogers Communications in a hearing at the New Brunswick Public Utilities Board concerning the pricing of access to utility poles owned by N.B. Power.

2004

Provided extensive economic advice, filed an expert report and presented oral testimony for Canada Pipe in a hearing under section 79 of the Competition Act, heard at the Competition Tribunal, April-May 2004 (regarded as the most important Abuse of Dominance case heard at the Tribunal in the past ten years).

2003

Provided extensive economic advice, filed an expert report and presented oral testimony for Canada Waste Services in a hearing under section 106 of the Competition Act, heard at the Competition Tribunal, November 2003.

Other Testimony
Appeared before the Senate Banking Committee and the House of Commons Industry and Banking Committee in 2009 on the subject of credit and debit card regulation.

**Oral Testimony and Cross Examination**

**2013**
Cross Examined on evidence provided in the Class Action brought by B.C. merchants against Visa, MasterCard and Canadian Credit Card Issuers.

Appeared before CRTC and gave live testimony in hearing concerning the acquisition of Astral by Bell Canada (second hearing)

**2012**

Appeared before CRTC and gave live testimony in hearing concerning the acquisition of Astral by Bell Canada (first hearing)

**2011**

Testified before CRTC in a hearing on vertical integration in Broadcasting (retained by Cogeco).

Cross examined on report prepared for TDL on aspects of the franchisor-franchisee relationship in Class Action brought by Tim Hortons’ franchisees.

**2010**

Cross Examined on report prepared for Porter Airlines litigation involving Air Canada and the Toronto Island Airport.

Cross Examined on report prepared for Pet Valu, Inc. in Class Action.

**2009**

Testified before the Canadian Radio Telecommunications Commission (CRTC) on competition and mandatory access in high speed internet services (retained by Tek-Savvy).

**2008**

Appeared as an expert witness and was cross examined at the Competition Tribunal in a hearing under section 75 of the Competition Act (retained by Nadeau, Inc.).

**2007**

Testified before the CRTC in the October 2007 Hearing on Essential Facilities in Telecommunications

**2006**
Oral Testimony and Cross Examination for Agricore United in a hearing under section 106 of the Competition Act, heard at the Competition Tribunal, March-April 2006.

Presented oral testimony including Cross Examination for Rogers Communications in a hearing at the New Brunswick Public Utilities Board concerning the pricing of access to utility poles owned by N.B. Power.

2004

Presented oral testimony including Cross Examination for Canada Pipe in a hearing under section 79 of the Competition Act, heard at the Competition Tribunal, April-May 2004 (regarded as the most important Abuse of Dominance case heard at the Tribunal in the past ten years).