
Subject: Alberta Oil, Rossby Waves & Climate impacts

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Date: Tuesday, April 26, 2016 2:45 PM

Dear Hon. Prime Minister and Ministers

Want to stop Climate Change? We need to stop burning fossil fuels in Alberta because it is disrupting the jet streams that govern weather around the Arctic circle which influences weather around the world. It is disrupting the Rossby Waves.

During the Line 9 hearing I met a system's engineering expert by the name of John Quarterly. He is a special advisory to the Canadian, UK and US government and has done international reviews on issues like Fukushima. He and I met at the Line 9B hearing because we were both delegates. He and I spoke about Alberta's Heat Island impact on the jetstreams of the Arctic. I have a friend in Waterloo who specializes in that science and my father was a flight engineer for 47 years so I found discussion on heat thermals and impacts on climate and aviation was really fun. This is my kind of discussion.

If you remove trees and bogs from an area and replace it with exposed sandy sediment with lots of large black storage ponds and lots of fossil fuel burning factories and heavy machinery, it attracts and generates lots of solar heat. Particulates in the air capture it too. These heat islands generate thermals that rise up high into the atmosphere. Heat thermals expand more than cool air which is why Alberta's heat thermals is pushing it's way into the Arctic right now, concentrating very strong winds that then plunge deeply down towards the equator bringing Arctic air south. I live in Ontario so we get direct effects of this. I know why it's colder than normal and why are storms and winds are growing stronger. The storms are forming vertically instead of horizontally now with quick bursts of severe storms rather than the long drawn out rainy weather we used to get. It's a common sense issue. I'm witnessing it.

Visit this link to view a video on how the Rossby wave goes up over Alberta and how cold weather drops down into Ontario. The video was produced by NASA.

<http://knlive.ctvnews.ca/warming-arctic-changing-jet-stream-and-our-weather-expert-1.1693069>

With the variables created by Alberta Oil Sands it is changing the jetstream, dramatically increasing dangers for aviation. University of Reading has excellent information on this:

<http://phys.org/news/2016-02-climate-transatlantic-flights.html>

The change of jet stream temperatures was also evident in the movements of fish along the Atlantic Coast. The fish are an excellent indicator species for this. Many moved north when warm waters came in as a result of augmented jet streams. Here's data from one 30 year study.

<http://www.dfo-mpo.gc.ca/science/publications/article/2014/10-23-14-eng.html>

The Innu noticed the changed of winds and the re-positioning of the Arctic as seen in this video. <https://www.youtube.com/watch?v=tg2F72hSLMw>

Nasa proved they were correct. <http://www.digitaljournal.com/news/environment/nasa-scientists-climate-change-is-moving-the-north-pole/article/462710>

In the attachments I have photos illustrating the Rossby Waves and how they influence weather.

Alberta is pushing hot air into the Arctic and this was a risk known for decades. I have two photos of statements made in the 1970's. I know the fella who included this work in his Master's Thesis. We spoke on this.

For those who are aware of aviation, atmospheric sciences this stuff is child's play. It's pretty obvious stuff here. In my view there is no way that the TSB Canada, the RCAF, Environment Canada and other agencies have any plausible deniability on this matter so why isn't Canada telling the public and investors the truth? Lack of disclosure of risk is fraud. Lack of fiscal prudence is also fraud.

Here is RBC's position on stranded assets in Alberta. Read the conclusion.

http://www.rbc.com/community-sustainability/_assets-custom/pdf/Unburnable%20Carbon%20and%20Stranded%20Assets.pdf

RBC's stance mirrors wording as used by EXXON who are currently being sued for climate denial. <http://insideclimatenews.org/news/22042016/insideclimate-news-wins-spj-award-exxonknew-infographics>

I have filed a formal complaint against RBC for failure to disclose fiscal risks and fiscal prudence through the Competition Bureau however it is my concern that this MOU may negate the jurisdictional ability to secure compliance seeing that they must disclose such concerns to the Market Surveillance Administrator of Alberta <http://www.competitionbureau.gc.ca/eic/site/cb-bc.nsf/eng/03672.html>

I am also concerned that when issues are voiced to SEC about these issues that it is being monitored by Non Canadian regulators as well. Why is that? As a concerned citizen whistleblower I find that unsettling. We are not told these things when we make our complaints. https://www.sec.gov/about/offices/oia/oia_bilateral/canada_regcoop.pdf

John Quarterly raised the concern of Rossby Waves during the Line 9B approval process on pages 14 & 15 in OH-002-2013 File OF-Fac-Oil-E101-2012-10 02 Response to John Quarterly Information Request No. 1.

https://docs.neb-one.gc.ca/ll-eng/llisapi.dll/fetch/2000/90464/90552/92263/790736/890819/918445/964209/B19-28_-_Response_to_John_Quarterly_IR_No_1_-_A3I6X7_.pdf?nodeid=964389&vernum=-2

The report clearly states: Enbridge objects to the request as the information sought is not relevant to the issues in this proceeding.

Any reasonably person can understand the logic that to facilitate the use of an East bound pipeline from Sarnia to Montreal would facilitate Alberta's continued oil production and yet the NEB simply disregarded this concern as being not relevant. That in my view is outrageous.

I have included the full affidavit of Mr. Quarterly in the attachments and I encourage everyone to review his professional expertise. This is in the kind of guy one should ignore. Canada, NEB and Enbridge have no plausible deniability when it comes to the climate risks.

CANADIAN CHARTER OF RIGHTS AND FREEDOMS : Life, liberty and security of person

7. Everyone has the right to life, liberty and security of the person and the right not to be deprived thereof except in accordance with the principles of fundamental justice.

Right now any child in Canada has the ability to sue this government for Climate inaction and if it happens I won't hesitate to stand united with them. When it comes to the costs, ending production is cheaper than mitigating the damages, the suffering or the associated liability risks

I see how the children in Attawapiskat are getting colder as the icy Arctic winds bring cold air into their homes and around the area of the Ring of Fire. Those harsh conditions threaten their lives, food supplies and medicines of indigenous people and is contributing to their suicides. I see how these winds moved the cod away along the East Coast and how jobless fishermen are driven to work at Tar Sands to feed their families. When the young men move off, the oil companies start their exploratory drilling off our coasts. It's all connected by design. I'm certain of it.

My demand is that our government STOP producing Alberta Tar Sands oil because it is contributing to scientifically measurable violations of environmental law, Indigenous Rights, and the rights to life liberty and security of person well beyond the scope of simply Alberta. It's impacting our global weather patterns. Putting England at Risk and other areas beyond. This is already beyond reason.

Thank you kindly for your time.

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Attachments

- 12512232_10153879083770813_5894283949449655743_n.jpg (48.91KB)
- a3.jpg (62.39KB)
- a4.jpg (94.01KB)
- 101929-004-0AC1F903.jpg (283.14KB)
- C60-3-1_-_Evidence_Line9_13Aug013.doc__-_A3K2I5.pdf (138.24KB)