

ENERGY EAST PRESENTATION  
To the Ontario Energy Board

# CANADA NEEDS CLIMATE AND ENERGY POLICIES BEFORE WE BUILD ANY MORE PIPELINES

April 2, 2014, North Bay

Cathy Orlando - National Manager

Gerry Labelle - Citizens' Climate Lobby Canada Board Member and 2008 CPC Candidate (Sudbury)




**CITIZENS' CLIMATE LOBBY**

**Our Purposes:**

- To create the political will for a sustainable climate.
- To empower individuals to have breakthroughs in exercising their personal and political power.

**CCL Methodology:**

- CCL takes the view that politicians generally do not create political will, rather they respond to it.
- CCL uses a model for citizens to create political will that has proven to be successful by the organization RESULTS
- CCL is a non-partisan organization. People of all political affiliations are welcome.



Founded in the USA in 2007 and in Canada 2010, our volunteers cover over 40 ridings.

CCL's niche is grassroots mobilization to create political will for carbon fee and dividend policy riding by riding across Canada.



[www.citizensclimatelobby.ca](http://www.citizensclimatelobby.ca)

[www.citizensclimatelobby.org](http://www.citizensclimatelobby.org)

<https://www.facebook.com/pages/Citizens-Climate-Lobby-Canada/>

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## **CCL's position on the Energy East Pipeline:**

We are opposed to the building of any new infrastructure for the fossil fuel industry until Canada has a compelling climate and energy policy.



THE PIPELINES ARE A CLIMATE ISSUE ...



Greenland data:

Read more here:

<http://phys.org/news/2014-03-greenland-implicated-sea-level.html>

Pacific Ocean Data

The amount of carbon dioxide in the tropical Pacific Ocean has increased surprisingly quickly over the past 14 years, according to new research from scientists at the National Oceanic and Atmospheric Administration and the University of Washington.

<http://www.scientificamerican.com/article/pollution-sours-pacific-ocean-more-than-expected/>

IPCC report - AR5 WGII - Impacts of Climate Change - March 31, 2014

## FIVE KEY POINTS

**Climate change is a threat  
to security, food and humankind  
... not to mention ALL life on Earth ...**

**The world faces threat to food supply,  
conflicts over water rights  
and growing inequality.**



**No one is safe**



**It is not hopeless**

**The only option to is cut emissions**

**CITIZENS CLIMATE LOBBY**



Summary of IPCC

<http://www.theguardian.com/environment/2014/mar/31/climate-change-five-key-points>

**Table 5.5** GHG emissions by Economic Sector (Mt CO<sub>2</sub>e) from 2005 to 2030

	2005	2010	2011	2015	2020	2030
Transportation	168	167	170	174	176	179
Oil and Gas	162	164	163	177	200	241
Electricity	121	99	90	84	82	59
Buildings	84	79	84	89	95	110
Emissions Intensive & Trade Exposed Industries	87	75	78	82	90	101
Agriculture	68	60	68	69	69	70
Waste and Others	49	48	49	50	50	55
Subtotal	737	701	702	725	762	835
Expected LULUCF	NA	NA	NA	NE	-28	NE
Total	737	701	702	725	734	835

Abbreviations: NA = not applicable; NE = not estimated.

**Where can we cut emissions Canada and how do we get there?**

Canada's Sixth National Report on Climate Change  
2014

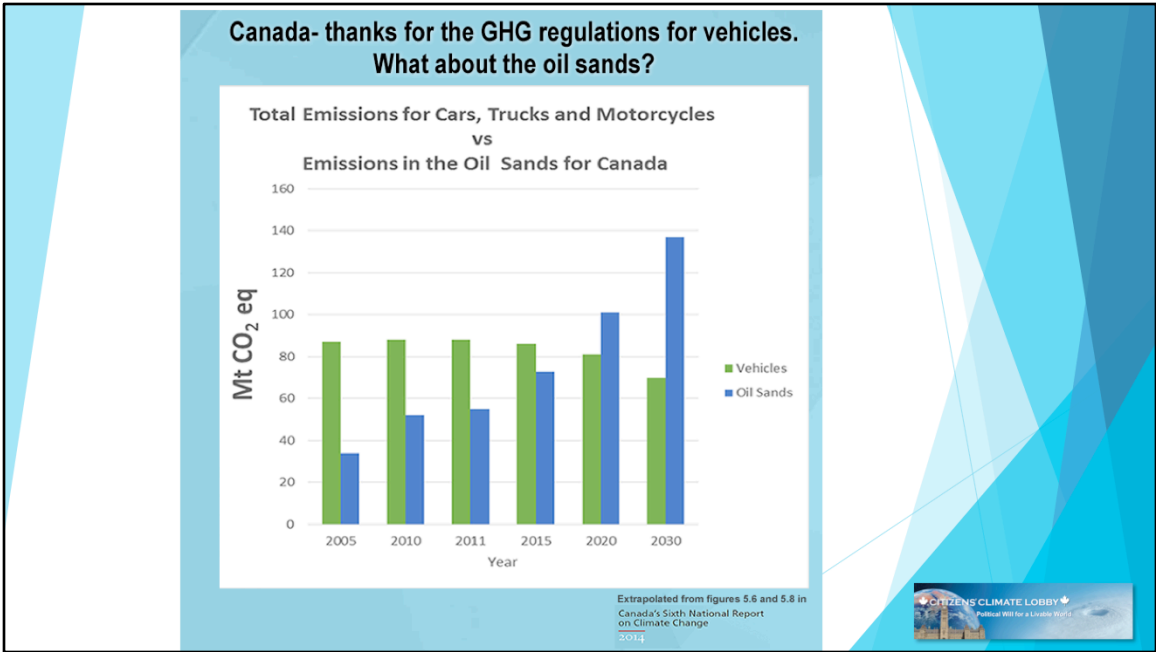
We are not transitioning to a low carbon economy Canada.

Environment Canada's own numbers show we are on track to blow past our 2020 emission target by 20% releasing 734 megatonnes of carbon pollution that year.

That's a far cry from the government's own watered-down target of 612 megatonnes. Much of the increase will be from the oil & gas sector, which this government first promised to regulate in 2009 and have yet to do so.

And by 2030 emissions will have grown

[http://unfccc.int/files/national\\_reports/non-annex\\_i\\_natcom/submitted\\_natcom/application/pdf/final\\_nc\\_br\\_dec20\\_2013%5B1%5D.pdf](http://unfccc.int/files/national_reports/non-annex_i_natcom/submitted_natcom/application/pdf/final_nc_br_dec20_2013%5B1%5D.pdf)



SECTOR BY SECTOR REGULATION (Mt CO<sub>2</sub> eq)  
Vehicles vs Oil Sands

[http://unfccc.int/files/national\\_reports/non-annex\\_i\\_natcom/submitted\\_natcom/application/pdf/final\\_nc\\_br\\_dec20\\_2013%5B1%5D.pdf](http://unfccc.int/files/national_reports/non-annex_i_natcom/submitted_natcom/application/pdf/final_nc_br_dec20_2013%5B1%5D.pdf)

**IN THE LAST SIX MONTHS CANADA  
HAS RANKED AT THE BOTTOM OF  
INTERNATIONAL RANKINGS FOR  
CLIMATE, ENERGY AND THE  
ENVIRONMENT**







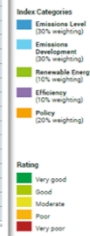
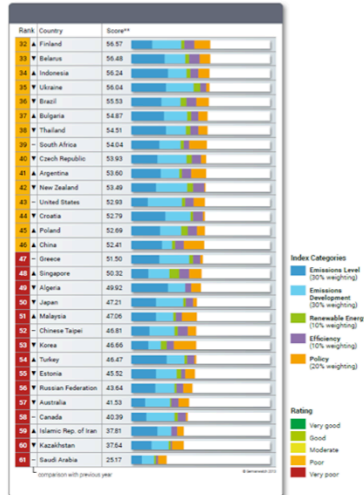
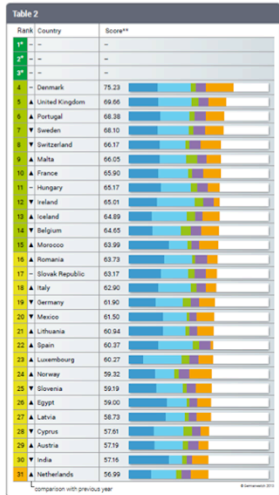
A STUDY BY GLOBE INTERNATIONAL REVEALED THAT 62 of 66 Nations have either passed or are pushing for compelling and energy-relevant laws

In Canada, the Honourable MP David McGuinty is the president. Members elected as Vice Presidents: Dr. Kirsty Duncan MP, Mr Dennis Bevington MP, Ms Maria Mourani MP and Hon Michael Chong MP

<http://www.sciencerecorder.com/news/emerging-economies-enforce-climate-laws/>

# Climate Change Performance Index 2014

## 4. Overall Results • CCPI 2014



In the recently released Climate Change Performance Index Canada continues to perform at the very bottom of the G-20 pack. Worldwide, only Iran, Kazakstan and Saudia Arabia are performing below Canada.

<https://germanwatch.org/en/download/8599.pdf>

November 18, 2013

Out of 27 OECD countries  
Canada ranked dead last for  
environmental protection

and

Canada *“has the dubious honor of  
being the only Commitment to  
Development Index (CDI) country  
with an environment score which has  
gone down since we first calculated  
the CDI in 2003.”*



The Washington-based Center for Global Development The Washington-based  
Center for Global Development assesses 27 wealthy nations annually on their  
commitment to seven areas that impact the world’s poor. .Canada deadlast in the  
OECD for Environment protection  
“commitment to development index” = CDI  
has the dubious honor of being the only CDI country with an environment score  
which has gone down since we first calculated the CDI [in 2003],” the report  
said[http://www.theglobeandmail.com/news/world/canada-dead-last-in-oecd-  
ranking-for-environmental-protection/article15484134/](http://www.theglobeandmail.com/news/world/canada-dead-last-in-oecd-ranking-for-environmental-protection/article15484134/)

## IMPLICATIONS OF CANADA'S CLIMATE COMPLACENCY

- 1) Global instability
- 2) Stranded assets and financial collapse
- 3) Missing out on the clean tech revolution
- 4) No oil sands for future generations
- 5) Tarring of our International Reputation



# 1) Global instability is a national security threat

IPCC report - AR5 WGII - Impacts of Climate Change - March 31, 2014

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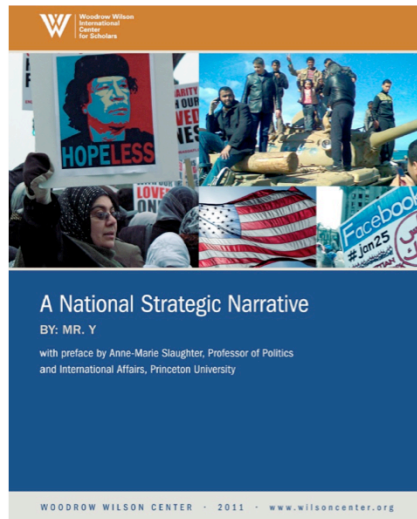
**It is not hopeless**

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**CITIZENS CLIMATE LOBBY**



## 1) Global instability is a national security threat



This document is the new Strategic Narrative Narrative for the USA presented to the Joint Chiefs of Staff in 2011 ...

National security issue is best addressed by going from “containment” policies to “sustainment” policies .. Climate change must be addressed

<http://www.wilsoncenter.org/sites/default/files/A%20National%20Strategic%20Narrative.pdf>

<http://www.thesudburystar.com/2013/10/18/us-sees-climate-change-as-threat-to-national-security>

2) The planetary carbon budget means there will be stranded assets and a real risk of financial collapse

**THREE NUMBERS**

2 degrees C - at Copenhagen in 2009 countries agreed not exceed this increase in global temperature

565 gigatonnes - that is how much more CO2 we can put into the atmosphere

2795 gigatonnes - that is how much CO2 there is in the Earth trapped in fossil fuels

*Fossil fuel companies get to pollute for free. They are rogue companies!*

**IT IS TIME TO EXTERNALIZE THE REAL COST OF FOSSIL FUELS**

**DO THE MATH + THE MOVIE**

WATCH THE MOVIE!

Carbon Tracker Initiative

CCPA  
CANADIAN CENTRE FOR POLICY ALTERNATIVES  
CENTRE CANADIEN DE POLITIQUES ALTERNATIVES

CITIZENS CLIMATE LOBBY  
Political Will for a Livable World

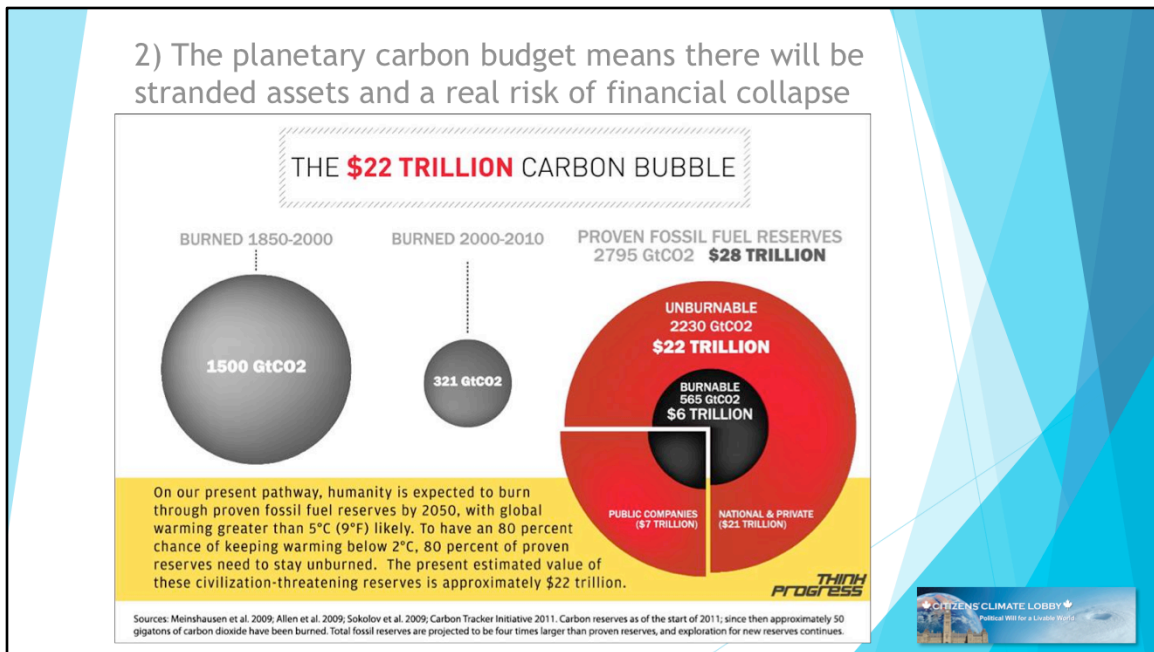
International data

<http://www.carbontracker.org/>

Canadian data

<http://www.policyalternatives.ca/sites/default/files/uploads/publications/National%20Office,%20BC%20Office/2013/03/Canadas%20Carbon%20Liabilities.pdf>

2) The planetary carbon budget means there will be stranded assets and a real risk of financial collapse



**There's way more carbon in the ground than there is carbon budget left. If we choose not to trash the planet, we have the get fossil-fuel companies to leave the oil and coal in the ground. Only 24 percent of proved reserves are held by public companies. If you add the reserves owned by state-owned companies — Saudi, Venezuela, Russia, China — if we're to keep that Potsdam budget, we need to keep 80 percent of reserves in the ground. If you add up that 80 percent at current market value it's \$20 trillion. If you're Exxon, your stock prices reflects the value of your reserves. If you're Saudi Arabia, your entire fiscal solvency is dependent on producing those reserves.**

<http://thinkprogress.org/climate/2012/03/26/432617/the-20-trillion-carbon-bubble-interview-with-john-fullerton-part-one/>



2) The planetary carbon budget means there will be stranded assets and a real risk of financial collapse

**IT'S THE TIME OF YEAR FOR SHAREHOLDER MEETINGS**

**ExxonMobil Acknowledges Climate Change to Shareholders**

It's a look toward the future because today, with no carbon tax or real meaningful carbon regulations, ExxonMobil can continue the work that is doing exploiting oil reserves in deep, deep waters and through tar sands at great expense because it knows it will be able to sell that oil at a very high price.

However, if stricter carbon regulations were in place, some of ExxonMobil's activities might not be economical, forcing the company to leave some of that oil and gas in the ground. Shareholders deserve to understand that risk.

Jennifer Runyon, RenewableWorldEnergy.com  
March 21, 2014

**bp calls for global carbon price to avoid the worst impacts of climate change**

Global carbon price needed to avoid the worst impacts of climate change" - BP  
"Global carbon price needed to avoid the worst impacts of climate change" - BP

VO OBSERVER  
March 20th, 2014

**Investors warned of 'carbon bubble' as Shell predicts climate regulation will hit profits.**

March 14, 2014

**"Of all the assets an oil company can own, the oil sands raises the most concern"**  
said Andrew Logan, director of the oil and gas program at Ceres.

Exxon leads the charge on the 'carbon bubble' - Globe and Mail March 24, 2014



### **Exxon leads the charge on the 'carbon bubble'**

Globe and Mail March 24, 2014

**"Of all the assets an oil company can own, the oil sands raises the most concern,"**  
said Andrew Logan, director of the oil and gas program at Ceres.

<http://www.theglobeandmail.com/report-on-business/industry-news/energy-and-resources/exxon-leads-the-charge-on-the-carbon-bubble/article17652496/>

In the last two weeks – Shell, BP and Exxon all sent various signals that climate change will be addressed

Investors warned of 'carbon bubble' as Shell predicts climate regulation will hit profits. Oil giant Royal Dutch Shell has warned that its profits are likely to be affected by international efforts to curb climate change, as campaigners say investors should steer clear of fossil fuel stocks.

Article at <http://bit.ly/1h5StZF>

Have you ever wondered why the Harper Government is so anti-carbon tax?  
The conclusion of this report from MIT may provide us with clues:

## Canada's Bitumen Industry Under CO2 Constraints

*"with CO2 emissions caps  
implemented worldwide, the  
Canadian bitumen production  
becomes essentially non-viable  
even with CCS technology,  
at least through our 2050 horizon."*



MIT JOINT REPORT ON THE SCIENCE AND GLOBAL  
POLICY OF CLIMATE CHANGE  
Report No. 183, January 2010



CANADA'S BITUMEN INDUSTRY UNDER CO2 CONSTRAINTS  
<http://globalchange.mit.edu/research/publications/2021>

# The OECD warnings there will be no climate bailout

*"Unlike the financial crisis, we do not have a 'climate bailout option' up our sleeves,"*  
Angel Gurría, head of OECD.

*"And despite all the attention given to climate change deniers, our understanding of the scale of the risk is much better developed than our understanding of the financial risks, pre-crisis."*

9 October 2013



the OECD warnings there will be no climate bailout

<http://www.bbc.com/news/science-environment-24450438>

3) Is Canada going to be consumers or producers of clean energy? The world can go completely to wind, solar and water by 2030? Yes we can transition

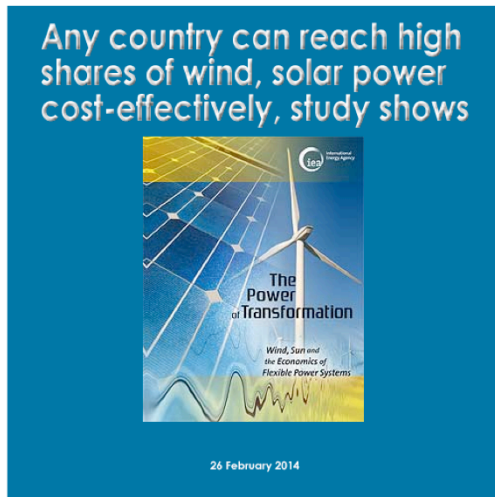


In 2009, Mark Jacobson (Stanford University) and Mark Delucchi (University of California, Davis) wrote a plan for how to provide electricity for the entire world by 2030 using only wind, water, and solar technology already available at that time. When they created this plan to meet the world's energy demand in 20 years, they took into account that the world adds approximately 1 billion people every 12 years and that emerging economies are looking to have our lifestyle, which requires greater energy needs. Their report shows we can meet the entire world's energy needs with renewables in 20 years, that we can do it without nuclear, and that we can do it for the same money that we'd be spending on fossil fuel power.

Jacobson, Mark Z. and Mark A. Delucchi. "A Plan to Power 100 Percent of the Planet with Renewables: Wind, water and solar technologies can provide 100 percent of the world's energy, eliminating all fossil fuels. Here's how." *Scientific American*, November 2009.

<http://www.scientificamerican.com/article.cfm?id=a-path-to-sustainable-e...>  
[Go back to Laser Talks Page.](#)

3) *Is Canada going to be consumers or producers of clean energy?*



We should stop waiting in vain Canada for the inevitable .. Renewable Energy is not "Godot" ... Look what the conservative international energy think tank, the INTERNATIONAL ENERGY AGENCY, said last month and note that Canada is one of the founding members of the IEA in 1974 ...

[http://www.iea.org/newsroomandevents/pressreleases/2014/february/name\\_47513,en.html?utm\\_content=bufferc3755&utm\\_medium=social&utm\\_source=twitter.com&utm\\_campaign=buffer](http://www.iea.org/newsroomandevents/pressreleases/2014/february/name_47513,en.html?utm_content=bufferc3755&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer)

3) Are we going to be consumers or producers of clean energy? We need policy to get to makes sure Canada is a producer.



#### CANADIAN CLEAN TECHNOLOGY INDUSTRY REPORT

Despite limited government assistance, the clean tech industry is on track to become a \$28 billion industry by 2022, employing more than 75,000 people, up from the current 41,100.

It has the potential to mushroom to \$50 billion by 2022, revitalizing Canadian industry and growing employment.

The multi-billion dollar question is:

#### HOW CAN CANADA GROW ITS CLEAN TECH INDUSTRY?

The federal government need look no further than British Columbia for a made-in-Canada solution to pricing carbon and growing Canada's clean technology industries.

Between 2008, when BC legislated a revenue neutral carbon tax, and 2010, the province's clean technology sector grew by 48%. In 2012, BC was home to 22 % of clean technology companies in Canada, coming second to Ontario, which accounts for 35 %.



THE CLEAN ENERGY MARKET IS A SIX TRILLION DOLLAR MARKET - are we going to be consumers or producers ... this is a security issue !!!

For more information go here ... For the full Report from Analytica Advisors:

[http://www.analytica-advisors.com/sites/default/files/CTIR\\_AABooklet\\_10Things\\_Final\\_27oct.pdf](http://www.analytica-advisors.com/sites/default/files/CTIR_AABooklet_10Things_Final_27oct.pdf)

Editorial Packet

[http://citizensclimatelobby.ca/sites/default/files/files/CCCL%20Media%20Packet\\_Clean%20Tech%20Report%202014.pdf](http://citizensclimatelobby.ca/sites/default/files/files/CCCL%20Media%20Packet_Clean%20Tech%20Report%202014.pdf)

4) We are not reaping the benefits our natural resources

**The biggest lease holder in Canada's tarsands isn't Exxon Mobil or Chevron. It's the Koch brothers.**

March 20, 2014  
The Washington Post

**ROYALTIES COLLECTED ON BARREL OF OIL EQUIVALENTS IN 2012**

Norway	\$46
U.K.	\$20
Canada	\$9

**Canada Is a Lousy Oil Negotiator**

CITIZENS CLIMATE LOBBY  
Political Will for a Livable Planet

Tyee – Canada Is a Lousy Oil Negotiator - we collect 1/5 royalty and revenue that Norway does <http://thetyee.ca/Opinion/2014/03>

More in Bloomberg:

BLOOMBERG:

<http://www.bloomberg.com/news/2012-05-08/canada-is-world-s-biggest-oil-loser-with-price-spread.html>

Koch brother information go here:

<http://www.washingtonpost.com/blogs/wonkblog/wp/2014/03/20/the-biggest-land-owner-in-canadas-oil-sands-isnt-exxon-mobil-or-conoco-phillips-its-the-koch-brothers/>



#### SECTOR BY SECTOR REGULATION (Mt CO2 eq)

Vehicles vs Oil Sands

Judge for yourself.

[http://unfccc.int/files/national\\_reports/non-annex\\_i\\_natcom/submitted\\_natcom/application/pdf/final\\_nc\\_br\\_dec20\\_2013%5B1%5D.pdf](http://unfccc.int/files/national_reports/non-annex_i_natcom/submitted_natcom/application/pdf/final_nc_br_dec20_2013%5B1%5D.pdf)



5) Canada should be leading the climate battle

**Given our abundant natural resources and amazing society,** Canada should be leading on the climate issue.

How can we tell India and China what to do when we are ourselves are not taking responsibility?

We are at least risking our international reputation and if things get bad, can you really blame countries for suing us or worse?



5) Canada should be leading the climate battle  
**Is Canada Tarring Itself?** -New York Times Article, March 30, 2014

**"Forget the idea of Canada  
as dull, responsible and  
environmentally minded:  
That is so 20th century.**

**Now it's a desperado,  
placing all its chips on  
a world-be-damned,  
climate-altering tar sands  
bet."**

- Jacques Leslie in the New York Times



<http://www.nytimes.com/2014/03/31/opinion/is-canada-tarring-itself.html>

Is Canada Tarring Itself?

**We are asking for a moratorium on building of any new fossil fuel infrastructure, including the Energy East pipeline, until Canada has compelling energy and climate policies as we feel the that the absence of climate and energy policy is too great a risk for:**

- 1) Global instability
- 2) Stranded assets and financial collapse
- 3) Missing out on the clean tech revolution
- 4) Oil sands needed for future generations
- 5) Tarring Canada's international reputation





ROYALTIES COLLECTED ON BARREL OF OIL EQUIVALENTS IN 2012

Norway - \$46.29

U.K. - \$20.08

Canada - \$9

= **Canada Is a Lousy Oil Negotiator**

ENERGY EAST PRESENTATION

