PSS-2a

CO_2 Emission Comparison – Canada and China (Land Based)

More detail? climatechangeandmusic.com

Indicator: Forest carbon emissions and removals (nrcan.gc.ca)

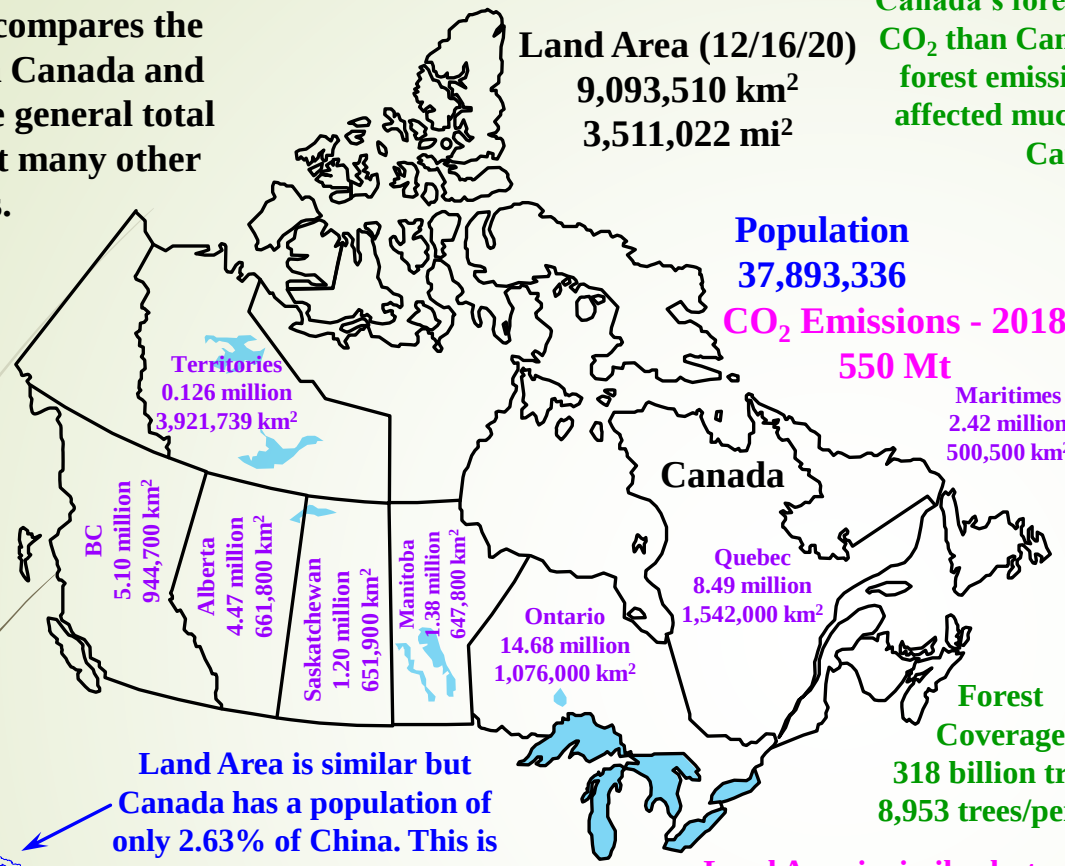
Canada has much larger forest coverage than China (both in total and per capita)

Canada/China CO_2 Comps Land

This post looks at and compares the CO_2 emissions between Canada and China. Despite the same general total land area, there are not many other similarities.

Canada is a much colder country (detail on PSS-2c) and much more sparsely populated. Roughly 75% (potentially more) of the Canadian population lives within 100 miles of the US border.

Canada's forest routinely absorbs more CO_2 than Canadians emit. Any surplus forest emissions are natural and not affected much by the activities of the Canadian people.



Forest Coverage
318 billion trees
8,953 trees/person

Forest Coverage
139 billion trees
102 trees/person

Land Area is similar but Canada has a population of only 2.63% of China. This is what Canada would look like if we had the same population density. Yes that is a full map of Canada.

Land Area is similar but Canada's CO_2 emissions are only 5.8% of China's. This is what Canada would look like if we had the same emission levels.

China's tree density is roughly 44% of Canada's.

Land Area is similar but China's population based forest coverage is only 1.14% of Canada. This is what China would look like if they had the same population based tree density. Yes that, is a full map of China.

Canada will always have a higher carbon intensity than most of the rest of the world. You just can not survive easily in Canada without a cheap abundant source of fuel for shelter and transportation.

Canada is a resource based economy. We supply the world with a wide variety of commodities (energy, agricultural products, raw minerals, etc.). Maybe it is time the consumers started paying for the CO_2 emissions they are ultimately responsible for.

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PSS-2b

CO_2 Emission Comparison – Canada and China

More detail? climatechangeandmusic.com

Canada's emissions are meaningless in a world where China, India and so many other high emission countries are not reducing their emissions. Canada's emissions (flat) are only 5.6% of China's (rising). Remember Canada is responsible for only 1.6% of human emissions and human emissions are only 4% of total global emissions (i.e.: Canada is responsible for only 0.064% of global emissions)! What do Canada's 2015 Paris Accord commitments mean?

This slide focuses on the emission levels of each country. Canada has made real advances in CO_2 emissions despite the negative coverage. We are a large, cold country that exports natural resources (hydrocarbons, minerals, forestry) and agricultural products to the world. We, not surprisingly, have high CO_2 emissions. Those emissions should realistically be charged to the export recipients. Shutting down Canada's exports will not stop CO_2 emissions. Those customers will just make the purchase elsewhere in regimes that have lower environmental, legal, technological and societal standards than Canada, leading to higher CO_2 emissions.

In the end does the difference in Canadian and Chinese emission profiles really matter? The Catastrophic Anthropogenic Global Warming (CAGW) alarmist arguments still assume that CO_2 is virtually the only significant climate driver (OPS-22). Yet, they have never brought forward an empirical CO_2/Temperature data set that shows CO_2 driving the climate on any statistically significant historical time scale. No empirical data, no proof!! Still waiting!!!!

Canada China CO_2 Comps

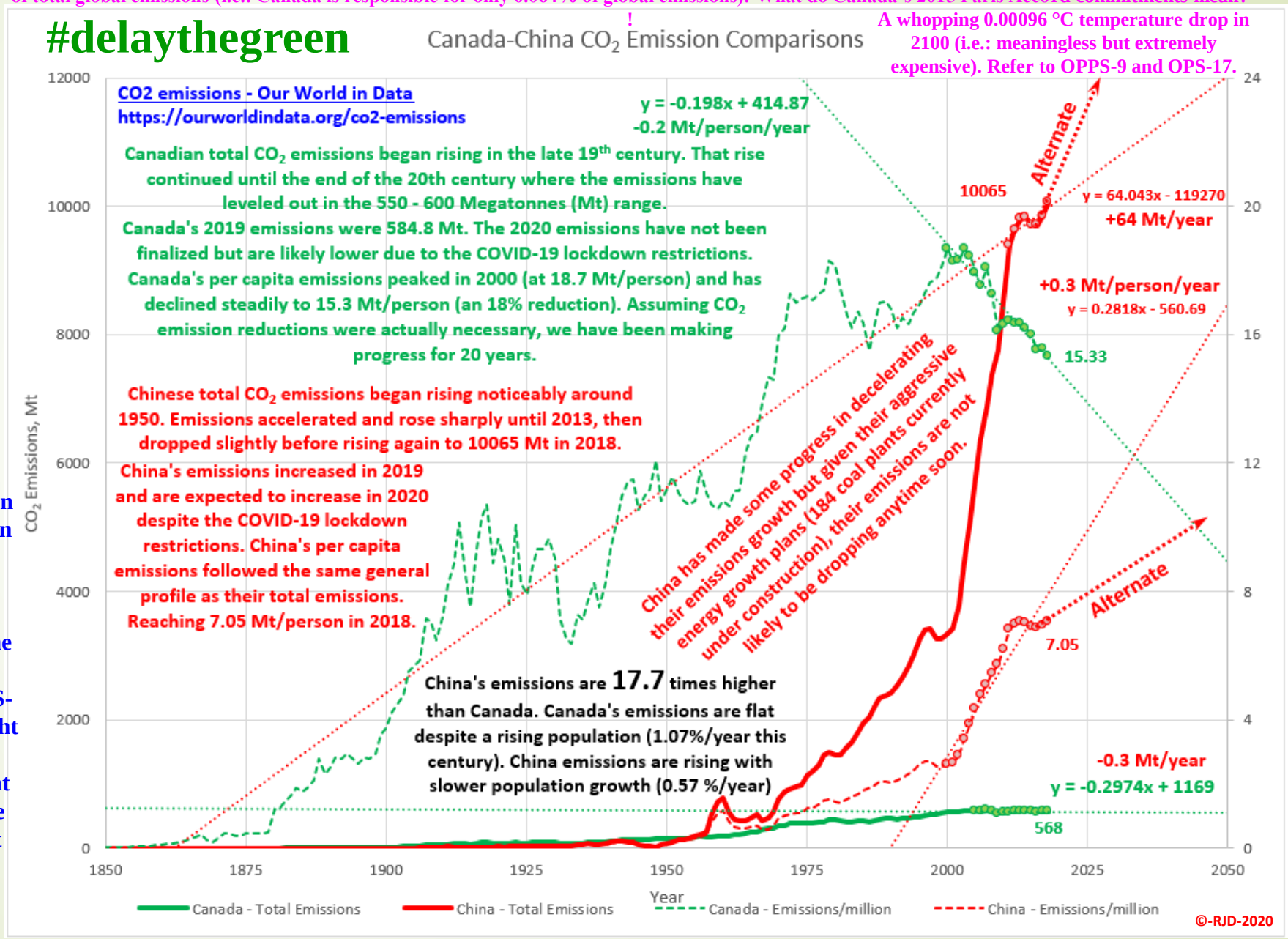
The sun, (not CO_2) is the primary climate driver!

GSM the Real Threat!

GSM – Grand Solar Minimum. The real "Climate Change" existential threat is right around the corner. Do the Research!

#delaythegreen

A whopping 0.00096 °C temperature drop in 2100 (i.e.: meaningless but extremely expensive). Refer to OPPS-9 and OPS-17.



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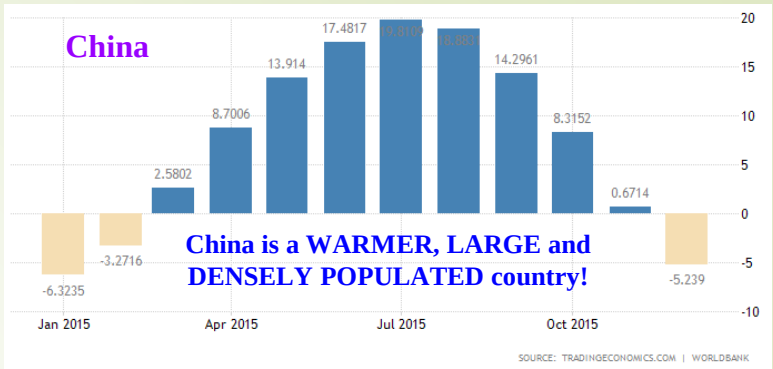
Canada, China and the Atmosphere

Do we need to address pollution issues? Absolutely, and as soon as we stop this ridiculous focus on CO_2, we can address the world's real problems.

More detail? climatechangeandmusic.com

The Catastrophic Anthropogenic Global Warming (CAGW) alarmist crowd likes to push that we all have to do our part since the atmosphere and oceans are not restricted to any one country's air space and/or water rights. The problem with that argument is simple. First, there is no empirical CO_2/temperature data set (a very basic scientific requirement) that shows CO_2 driving the climate on any statistically significant historical time scale. Secondly, not all countries are being treated equally. Until China, India, Russia, OPEC countries, etc. take real action there is no point to smaller emission countries wrecking their economies (especially given the current financial distress layered on by the COVID-19 fiscal fallout). The economic justification is also very precarious. The fully compliant 2015 Paris Accord commitments (OPS-17) will only reduce the temperature in 2100 by 0.17 °C (unmeasurable and it "ONLY" costs 1 – 2 Trillion dollars/year for 80 years).

And that assumes that the IPCC science is correct. Adapting to "Climate Change" is more prudent than uselessly trying to stop their computer generated "Climate Change".



Canada will always have higher per capita energy requirements than China. Our population is spread over a large area requiring long distance forms of transportation that are not necessarily conducive to electric operations.

I think we are doing just fine!

We have a very cold climate compared to China (and most populated areas of the world). To compete effectively in the world market we need access to abundant, cheap and reliable energy (for both transportation and shelter). Wind and Solar do not provide that option. We are also a resource based economy, supplying hydrocarbons, minerals, agricultural, etc. products for the world. Natural resource production and delivery are very energy intensive. Perhaps our customers should shoulder the emission burden!

Typical air quality in Canada's three largest hydrocarbon producing provinces

This is air pollution!!!

This is not a CO_2 problem. You cannot see CO_2. CO_2 is an invisible, non-toxic gas molecule that is essential for life on this planet (OPS-35)!

More CO_2 would help solve the world's poverty issues, since plants grow better at higher CO_2 levels and are much more drought resistant.

Exporting Canada's cleaner coal (and burning technologies) and Natural Gas (LNG) would do more for emissions (not just CO_2) than anything we do at home. And BONUS, we make money, we do not waste the taxpayer's hard-earned cash!!!

Canada China and the Atmosphere

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OPPS-9
Common Sense

India, China Account For Half The World's Pollution Deaths In 2015: Study (ndtv.com)

The History of Air Pollution in China – Air Pollution (colgate.edu)

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GSM – Grand Solar Minimum. You really should do the Research!

OPS-21 (Solar Cycles)