

13:33:42 From Claude Buettner

C: Convenient Mistruths on Amazon:

https://www.amazon.ca/Convenient-Mistruths-Intrigue-Danger-Warming-ebook/dp/B01NBE7NT6/ref=sr_1_1?crd=321T8YJEWTO4&keywords=geoff+strong&qid=1704911584&s=books&sprefix=geoff+strong%2Cstripbooks%2C95&sr=1-1

13:34:20 From Claude Buettner

C: Inconvenient Pipeline on Amazon:

https://www.amazon.ca/Inconvenient-Pipeline-Geoff-Strong/dp/0995288321/ref=sr_1_2?crd=321T8YJEWTO4&keywords=geoff+strong&qid=1704911584&s=books&sprefix=geoff+strong%2Cstripbooks%2C95&sr=1-2

13:47:54 From Dave Dougherty

C: 2023 temperature increase was 1.48 degrees C.

<https://www.downtoearth.org.in/news/climate-change/2023-warmest-on-record-temperatures-1-48-c-above-preindustrial-level-93749#:~:text=The%20year%202023%20is%20the%20warmest%20year%20on,observation%20component%20of%20the%20European%20Union%E2%80%99s%20space%20programme>

13:49:14 From Dave Dougherty

C: 2023 was the warmest year on record.

<https://www.msn.com/en-ca/weather/topstories/2023-was-the-hottest-year-on-record-by-a-long-shot/ar-AA1mGJju>

13:53:18 From Dave Dougherty

C: More here on water as a greenhouse gas.

<https://climate.mit.edu/ask-mit/why-do-we-blame-climate-change-carbon-dioxide-when-water-vapor-much-more-common-greenhouse>

13:54:48 From Raymond Leury

C: I think we don't talk about water very much because the concentration in the atmosphere hasn't changed very much, especially compared to CO₂ and CH₄, which are both increasing rapidly.

14:03:51 From Raymond Leury

C: *Just Have a Think* is releasing a video that talks about CCS and its problems:

<https://www.youtube.com/watch?v=PlsjvKKugKI>

14:09:49 From Raymond Leury

C: Mandating EVs—our forecast at EVCO is that heavy-duty vehicles will move to adopt much faster than light-duty to battery electric. Why? Because fleets do the math and will want to realize the savings.

14:10:14 From Dave Dougherty

C: When we add in land use & land use change, the global emissions figure rises to 59 Gt.

<https://www.weforum.org/agenda/2023/12/peak-greenhouse-gas-emissions/>

14:11:23 From Dave Dougherty :

C: The number 4 trillion trees for Canada would only counter a single year of emissions.

14:19:04 From Dave Dougherty

C: The developed world has been responsible for ~80% of historic emissions, while the less developed countries are currently suffering the most from the effects thereof.

<https://www.cgdev.org/media/who-caused-climate-change-historically>

14:22:05 From Raymond Murphy

Replying to "C: The number 4 tri..."

David Miller argued at CACOR that demand for fossil fuel energy has to be reduced: drive less, fly less, cruise less, etc., but they are all increasing, so fossil fuel energy remains stuck at about 80 %. Do the affluent with high fossil fuelled activities have to be blamed too?

14:25:30 From Dave Dougherty

Q: What is the potential for wave-powered and current-powered electrical generation?

14:30:00 From Fred Stoss

Q: What about reducing emissions in China and India?

14:31:27 From Dave Dougherty

C: Fred, Canada is a far higher per capita emitter than China or India.

<https://www.cbc.ca/news/science/how-canadians-can-cut-carbon-footprints-1.6202194>

[USA is even higher. Ed.]

14:32:00 From Raymond Leury

Replying to " What about reducing..."

I think we need to fix our own house before talking about China and India where per capita emissions are much lower than here in Canada. Regardless, China and India are making huge improvements.

14:38:23 From Art Hunter

Q: You made passing comment to geothermal when in fact it is available everywhere and is near infinite while easy to access. 80% of home energy is heat and 20% electrical appliances. So why is the big emphasis put on generating electricity?

14:39:12 From Fred Stoss

Replying to " What about reducing..."

Our per capita rate ...

[USA, Canada, and most other Western countries have much higher per capita emission rates than China and India. Ed.]

14:42:08 From Raymond Leury

C: Tide, wave, and current sounds promising and there are lots of projects exploring that. Putting machinery in salt water over years is a challenge. It's hard to see how it can be done economically, especially compared to wind and solar.

14:45:37 From Ted Manning

C: The demand for fossil fuels is driven by consumption. Generally, it is a sociological problem—demanding More of everything and being prepared to vote on that, plus being unwilling to ask from where it comes. China can direct demand much better than most other countries but it is questionable whether it is a replicable model in the west (or in India). Technology is working in the right direction but some do not understand the opportunities. Per capita consumption expectations are really core.

14:46:59 From Dave Dougherty

C: A couple of wave power links.

<https://www.weforum.org/agenda/2022/03/wave-energy-ocean-electricity-renewables/>

[from 2020] <https://www.nsenergybusiness.com/features/tidal-energy-projects-2020/>

14:48:31 From Dave Dougherty

C: ...and geothermal heat is constant.

14:54:49 From Raymond Leury

C: If you want to get an overview of where we stand with all areas of GHGs, including agriculture (which people usually forget), you can read Dr Hannah Ritchie's new book "Note the End of the World." I will cover some of that next month.

15:04:26 From Fred Stoss

C: Talking to faith-based and religious groups COULD move that sociological movement. Torontonians Katharin Hayhoe says it's "a moral obligation" to understand and do something about climate change.