13:40:30 From Charles Hall to Everyone:

C: It is not true that new energy technologies have no carbon emissions, as the production and O&M of all energy capturing devise require considerable energy (most of which is carbon based). This would be especially true in their implementation. Of course, the total including operational is far less.

13:42:34 From Dave Dougherty to Everyone:

C: Welcome to the Pyrocene Epoch.

13:43:14 From Richard van der Jagt to Everyone:

C: As predicted in Fire Weather.

14:15:52 From Richard van der Jagt to Everyone:

Q: In an informed public and government, what would be the shortest possible time to convert from FF to renewables?

14:21:36 From Richard van der Jagt to Everyone:

Q: Can you show the slide you skipped?

14:23:09 From Jon Legg to Everyone:

Q: What do we think that a new Trump government is likely to do in terms of greenhouse gas emissions over a four-year term?

Canada could not fully compensate for the increase in emissions, but do you have any suggestions as what we could do?

14:23:47 From Dave Dougherty to Everyone:

Q: To what extent will switching to renewable energy systems worsen our ecological overshoot?

14:26:12 From Charles Hall to Everyone:

Q: Do you have any knowledge/opinion on the potential importance of change in albedo (vs CO_2) as driver of observed climate change?

14:30:07 From Claude Buettner, MN to Everyone:

C: Regarding timelines, McKinsey & Company published a report almost three years ago about the Net-Zero 2050 proposal, which they say would require 8 to 9% of global GDP

EACH year from 2022 till 2050. Obviously, we are not on that timeline, but the report and linked presentation are very worthy of study.

https://www.mckinsey.com/capabilities/sustainability/our-insights/the-net-zero-transition-what-it-would-cost-what-it-could-bring

14:30:24 From Richard van der Jagt to Everyone:

C: Trump will roll back Biden's greening of America at the cost of increased emissions and lost jobs in the renewables sector.

14:34:48 From John Hollins to Everyone:

Q: Gov't of Canada does not understand. Its claim to reduce by 2030 is simply nonsense.

14:36:05 From Richard van der Jagt to Everyone:

C: Check https:science.nasa.gov for data on effect of relation between water vapour and temperature.

14:37:51 From Dave Dougherty to Everyone:

C: Concerning water vapour...Steamy Relationships: How Atmospheric Water Vapor Amplifies Earth's Greenhouse Effect - NASA Science

Steamy Relationships: How Atmospheric Water Vapor Amplifies Earth's Greenhouse Effect - NASA Science

14:37:59 From Charles Hall to Everyone:

C: Inigo Capellan Perez has modeled the energy requirements of transitioning to renewables.

[See < Íñigo Capellan Perez - GEEDS >. Ed.]

14:38:20 From Edward Ozowski to Everyone:

Q: Can we use Trump/Musk to promote this solution?

14:40:36 From Richard van der Jagt to Everyone:

I highly doubt it.

14:41:03 From Dave Dougherty to Everyone:

C: More concerning water vapour...Global warming - Climate Sensitivity, Feedback, Impacts | Britannica

Global warming - Climate Sensitivity, Feedback, Impacts | Britannica

14:42:03 From Richard van der Jagt to Everyone:

C: Additional benefit: species survival.

14:43:46 From Dave Dougherty to Everyone:

From that [last] link.

Water Vapour Feedback

Unlike concentrations of other greenhouse gases, the concentration of water vapour in the atmosphere cannot freely vary. Instead, it is determined by the temperature of the lower atmosphere and surface through a physical relationship known as the Clausius-Clapeyron equation, named for 19th-century German physicist Rudolf Clausius and 19th-century French engineer Ãmile Clapeyron...

14:46:45 From Art Hunter to Bob Jones(direct message):

Q: I can comment on a meeting I had with the Ontario OEB, the IESO and Hydro Ottawa on the energy transition to renewables? A big Issue in Ontario.

14:47:33 From Claude Buettner, MN to Everyone:

C: Regarding Charlie's question on a water vapor feedback tipping point, Guy McPherson's YouTube channel is worth taking a look at and subscribing: https://www.youtube.com/@NatureBatsLast

He suggests from peer-reviewed papers that we may have already surpassed multiple tipping points and it's time to concentrate on amelioration, or management, of our predicament.

14:49:36 From Richard van der Jagt to Everyone:

C: Geoff and I published on the meaning of net zero last year, pointing out very much depends on where your baseline is.

14:52:20 From Claude Buettner, MN to Everyone:

Replying to "Comment: Regarding C..."

Charlie and others, Arctic News on Blogspot has a lot of information about tipping points including water vapor and cloud feedbacks; see item 25 on this linked page: https://arctic-news.blogspot.com/p/feedbacks.html

14:53:21 From Richard van der Jagt to Everyone:

C: Today there are 421.55 ppm CO_2.

14:54:11 From Dave Dougherty to Everyone:

Replying to "Today there are 421...."

C: We're likely to experience > 430 ppm this winter.

14:56:32 From Claude Buettner, MN to Everyone:

Replying to "Today there are 421...."

@Dave Dougherty So sad :-(I'd love to afford a billboard on a busy freeway that would inform people of the latest monthly figure from NOAA. I think the policymakers are most of afraid of honesty that may trigger an economic collapse so they just keep whistling in the dark until it happens.

14:58:48 From Richard van der Jagt to Everyone:

C: China has 50.9 % renewable energy.
[See < List of countries by renewable electricity production - Wikipedia >. These data are several years old and show China at ~30%. Many countries are 100% renewable. Ed.]

15:13:55 From Claude Buettner, MN to Everyone:

For group climate grief conversations: https://postdoom.com/conversations/

15:24:20 From Claude Buettner, MN to Everyone:

NOAA's page for Trends of greenhouse gases: https://gml.noaa.gov/ccgg/trends/