

13:48:01 From Jeff Passmore to Everyone:

Q: As I understand it, net zero by 2050 is not a slow curve, but rather a hockey stick that the UN tells us means subtracting (rather than adding) GHGs by 2025. That gives us about 24 months before we get into negative feedback unstoppable climate reactions. How is subtracting doable given that current plans are to keep adding?

13:51:43 From William Rees to Everyone:

Q: What if there is no valid basis for public confidence in 'net zero'? There is significant evidence that net zero is a fantasy unless there are major reductions in total energy availability. Thoughts?

13:52:07 From Peter MacKinnon uOttawa Engineering to Everyone:

C: Microgrids are an emerging element in the electrification of "everything".

Q: Does Positive Energy look into issues of governance and regulation with respect to microgrids?

13:54:09 From Paul Beckwith to Everyone:

Q: Do you support pipelines and the fossil fuel industry?

Serious question, since you lump in public opposition to wind and solar and electrical transmission lines together with pipeline and fossil fuel opposition.

13:56:34 From Ted Manning to Everyone:

Q: What role seems likely for alternatives like gas or nuclear as means to facilitate any transition towards stopping GHG emissions?

13:56:42 From Ted Manning to Everyone:

Q: Will the public agree?

13:57:52 From Dave Dougherty CACOR to Everyone:

Q: To what extent are plans being made to deal with a doubling of Ontario's population by midcentury and a tripling by the end of the century.

13:58:47 From Sucha Mann to Everyone:

C: No, I do not, but it [would] have to be implemented with public transport, core residential accommodation near public transport junction, limitation of population with birth control.

14:01:26 From Jeff Passmore to Everyone:

C: Yes, certainty is the mother of Investment. Lack of policy and regulatory certainty leads to fear of stranded assets and a major hesitation to proceed to investment. Better to invest elsewhere.

14:02:33 From Walter Knitl to Everyone:

Q: What role and impact does digitalization have in delivering sustainable energy?

14:04:06 From William Rees to Everyone:

Q: All of this effort seems oriented toward maintaining the growth-based status quo. It is really "business-as-usual-by-alternative-means," but business as usual is driving eco-overshoot (of which climate change is merely one symptom). Maintaining even present levels of energy and material throughput (consumption and pollution) will crash the ecosphere, yet everyone expects continued growth. Thoughts?

14:06:03 From Peter MacKinnon uOttawa Engineering to Everyone:

Q: Cybersecurity is a growing concern in energy infrastructure. Does Positive Energy consider cyber threats, reporting, and amelioration as a theme?

14:06:26 From Samrat B to Everyone:

Hello William Rees Agree to with what just you said. Question being: are such solutions and opportunities also accessible for the global south, poorer nations?

14:08:05 From Jean and Dave Dougherty CACOR to Everyone:

Q: Some in my extended family just bought a generator because they know the current grid is not reliable. Will the grid ever be reliable again?

14:08:38 From Jon Legg to Everyone:

Q: Since confidence seems to be an important factor in your work, should you not be helping to prepare the oil and gas work force for transitioning to other work?

14:14:39 From Raymond Leury to Everyone:

Q: Given that many members of your advisory board and much of your funding comes from the oil and gas industry, how can you say that you represent a science-based position and are not simply putting an aura of respectability to what are essentially oil and gas industry talking points?

14:18:17 From Jeff Passmore to Everyone:

C: I fear Canadians are pretty clueless on what taking aggressive action on climate change means.

14:19:24 From David Harries Canada to Everyone:

C: The Aug 2003 satellite picture shows how DARK most of the country was. Almost all of it north of the 200 km-wide belt along the US border. In 2023 the picture would be almost identical. Canada remains a 'near-Arctic' nation, the feds and the public in 'the belt' remaining totally unconcerned. ENERGY for the north and the Arctic is a totally different issue than in the 'south'....where the voters are.

14:22:48 From William Rees to Everyone:

C: Political consensus based on ignorance is potentially fatally destructive.

14:22:58 From paulhenrybeckwith@gmail.com to Everyone:

Question: Please talk about fossil fuel subsidies.

I don't think we need any more meetings and collaborations and surveys to know that eliminating subsidies will reduce emissions. For example, Royal Bank funds fossil fuels more than any other bank in the world.

14:28:06 From Samrat B to Everyone:

Replying to "I fear Canadians are..."

C: Poor peoples, activists, NGOS, tribals have been wiped out (taken out, evicted, and even murdered) when they have protested against energy companies. This had been happening for decades in India.

14:31:07 From Samrat B to Everyone:

C: Jack Alpert's CACOR presentation clearly stated that future energy plans (green or not) will not actualize as planned, because the energy systems will not move as population changes.

14:31:51 From Mary Hegan to Everyone:

Q: Monica, early in your presentation you talked re public confidence and community push back. what are your recommendations re public buy-in to decisions where they are not at tables which are transparent and including them? What is needed within the energy system to increase public confidence and trust?

14:35:55 From Walter Knitl to Everyone:

Q: What role and impact does digitalization have in delivering sustainable energy?

14:38:20 From Claude Buettner to Everyone:

C: It doesn't seem that 8 to 9% of global GDP are being spent on the Net-Zero Transition (8 to 9 trillion \$ of a 100 trillion \$ global GDP economy in 2022 per Google) as outlined is needed in the McKinsey & Company global plan based on the consortium of central banks, ngfs.net, various scenarios (ngfs came out of 2016 G7 Green Study Group):

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

14:42:58 From William Rees to Everyone:

C: Even the International Energy Agency and US Energy Information Administration agree that fossil fuels will be a major part of the global energy mix through 2050.

14:43:27 From Richard van der Jagt to Everyone:

C: Naomi Klein would not like that.

14:44:17 From Samrat B to Everyone:

Replying to "Even the Internation..."

C: Some say fossil fuels will dominate energy needs till 2090. I cannot remember the name of the person, but of a scientific background.

14:46:06 From Samrat B to Everyone:

Replying to "Even the Internation..."

C: My response was just to William Rees comment.

14:55:15 From Samrat B to Everyone:

C: Does anyone know what is the percentage of First Nations indigenous peoples in Canada? in comparison with the rest of Canadians? % or approx. numbers

14:56:40 From Claude Buettner to Everyone:

Samrat, Google says 5%

14:58:19 From Samrat B to Everyone:

Replying to "Samrat, Google says ..."

382500 more or less?

[Sadly, that number is incorrect. According to Statistics Canada, our most reliable source for demographics, "The number of people identifying as Indigenous in Canada grew almost twice as fast as the non-Indigenous population and now stands at 1.8 million..." However, that is confirmed by StatsCan as ~5% of the Canadian population. Ed.] <https://www.cbc.ca/news/politics/indigenous-housing-census-statscan-1.6589825>

15:02:32 From Peter MacKinnon uOttawa Engineering to Everyone:

C: I chair the Foresight Synergy Network at uOttawa having taken over from Jack Smith because of his health conditions. I agree with Monica's comments on the use of Foresight.

15:07:50 From Samrat B to Everyone:

Replying to "Samrat, Google says ..."

C: Paul Beckwith busted it She is doing great work, however Gaia and reality is taking over (what Paul speaks of).

15:10:14 From Jeff Passmore to Everyone:

C: People would rather have a coal plant 300 km away that they cannot see, than a wind farm 2 km away.

15:11:20 From Samrat B to Everyone:

C: Wind energy (tech and machines) is still dependent on fossil fuels from start to finish.

[Once fossil fuels have been replaced by 'new energy' of all sorts, fossil fuels will not be something on which we rely except as raw materials for plastics. Ed.]

15:11:35 From Raymond Leury to Everyone:

C: Protesting a wind or solar farm is NIMBYism and has nothing to do with the environmental impact of those. Protesting oil and gas is about the environmental impact.

15:12:32 From Peter MacKinnon uOttawa Engineering to Everyone:

Q: Monica, do you use a ground theory approach?

15:12:54 From Walter Knitl to Everyone:

"Positive Energy" should be a multidisciplinary effort, not just socio-political, but [we] also [need to] weave in technology.