



FRONTIER CENTRE FOR PUBLIC POLICY

One Minute POLICY ADVISOR



Questioning Catastrophic Anthropogenic Global Warming Theory

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There continues to be little hard evidence of a correlation between carbon dioxide (CO₂) increases, caused by humans, and rising temperatures. While the relationship has been programmed into relatively simplistic computer models constructed by climate scientists, there is a growing gap between the projections being made and actual reality.

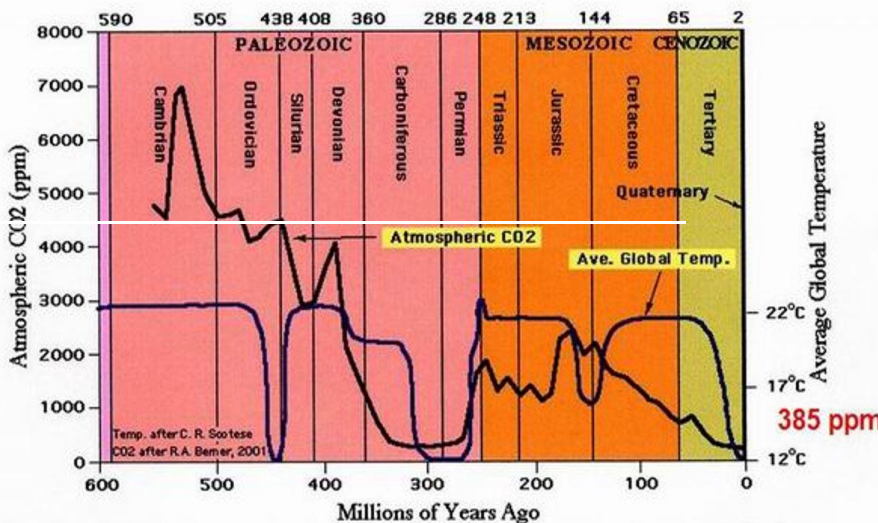
In contrast, the Earth's climate is an incredibly complex system influenced by hundreds of factors which are incredibly difficult (impossible) to model. That said, temperature changes generally correlate well with solar activity and the orbits of the sun and earth. Not CO₂.

CO₂ is a comparatively rare gas -making up only .04% of our atmosphere. For this reason, it is often described as a "trace gas." About half of that .04% was already in the atmosphere before humans relied on hydrocarbon fuels, which, when burned produced CO₂. Most (97%) atmospheric CO₂ comes from natural sources like ocean evaporation, plant decomposition, forest fires, and volcanoes - leaving the human produced portion of atmospheric CO₂ (3% of .02%) -

equal to .0006% of the atmosphere – equivalent to 6 pennies in a jar of 10,000. This incredibly miniscule contribution is seriously advanced by CAGW proponents as the main/sole driver of climate change.

CO₂ levels have little relationship to temperature in geological time scale records (see graph to the left using 600-million-year time period). Shorter term records show that CO₂ levels lag temperature changes – the opposite of what CAGW theory predicts. In fact, rising temperatures caused CO₂ to evaporate from the oceans.

About 550 million years ago during the biologically thriving Cambrian Period of the Paleozoic Era CO₂ levels were almost 20 times present levels.



Late Carboniferous to Early Permian time (315 mya -- 270 mya) is the only time period in the last 600 million years when both atmospheric CO₂ and temperatures were as low as they are today (Quaternary Period).

Temperature after C.R. Scotese
CO₂ after R.A. Berner, 2001 (GEOCARB III)

Note (black line) CO₂ is the lowest in 600 million years.
It does not correlate with temperature (blue line) at any point.

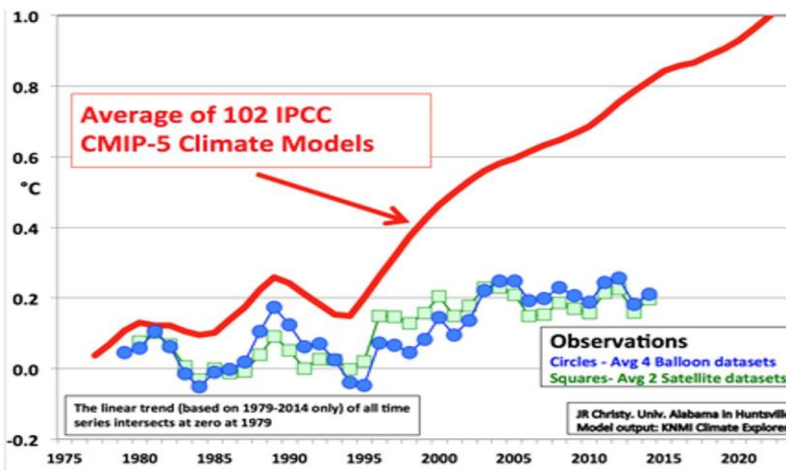


Figure 2. Source: Gamett, E.R. and Khandekar, M.L.2018.

The final caution with the carbon dioxide based computer models at the foundation of CAGW theory is that they overwhelmingly skew towards predicting warming where, in fact, none is occurring (see second graph). In short, the models appear to be gravely flawed.

Despite the predictions of significant increases in temperature - rapid rising in flooding - huge increases in droughts - none of these things have actually happened. We see parts of the world about 6% wetter, forested areas growing, deserts shrinking, Polar Bear numbers increasing, and most strikingly, human deaths caused by natural disasters, down by an amazing 90% in the last century. Crop

production is rising, tropical storm numbers are not increasing, but unpredictable weather continues today - as it has for millions of years. The climate change activist thinks that any and all unpredictable weather is caused by climate change. It is not. Any historical overview of the world illustrates that extreme weather is the norm - not the exception. The Bible is replete with stories of storms, floods, and droughts. Climate change didn't cause the great flood of Noah's time, or the parting of the Red Sea for Moses. And there are six separate incidences of droughts in the Bible - lasting up to 7 years.

The climate is a dynamic natural phenomenon; it is always changing due to many natural factors. Canada, with one of the world's coldest climates stands to benefit from any warming. Going forward, if there is warming, we can expect a slightly gentler climate for Canada, with fewer droughts, and slightly warmer winter days. Any rational observer of the cold Canadian climate would recognize that these changes are generally good for the economy - and definitely not harmful. For Canada, climate change, specifically global warming, brings far more opportunities than it does risks. Against these facts, taxing and regulating human-produced CO2 will continue to have no impact on climate but will seriously damage living standards by unnecessarily increasing conventional energy costs.

Two Recommended Videos

Climate Science for the Layman – William Happer



Climate science for the layman as Professor of Physics at Princeton University makes it simple. William Happer outlines why carbon dioxide is not pollution and the prime driver of a changing climate. (25 minutes)

(https://www.youtube.com/watch?v=pHCCE-sw_Sc)

Climate Change Narrative is Driven by Agenda of Political Control—Myron Ebell



Myron Ebell is the Director of Global Warming and International Environmental Policy at the Competitive Enterprise Institute, a non-profit think tank that promotes limited government, free enterprise, and individual liberty. In this 2019 interview he discusses the politics of climate change, including the stark differences between climate change projection models and actual measurement data, the role of China in global greenhouse gas emissions, the Green New Deal, the political interests behind the push for wind and solar energy. (47 minutes)

(<https://youtu.be/xRXzfJvcV6s>)