

Slide 1:

In the Defense of Carbon

Warren Watson

Sunday June 4, 2023, 3:00 pm

Action4Canada Public Meeting

Celebrations Church, 2nd Floor Waneta Plaza
8100 BC-3B Room 241, Trail, BC V1R 4N7

Last Revised May 30, 2023

Good Afternoon

My name is Warren Watson, and I am a former aerodynamics engineer who used computer models to simulate the flow of air around aircraft.

In the past, I have worked as a journalist and an Engineering Physics lab professor. I am currently a bridge (the card game) professional as well as a landscape artist. As a hobby, I joined my father's crusade in protecting carbon dioxide, the chemical essential to photosynthesis and life on this planet.

Slide 2:

Aircraft Computer Models

Air is a fluid.

Its movement is governed by six partial differential equations, the Navier Stokes equations, which can only be solved numerically by a computer.

Computing costs in time and memory alone are enormous.

The problem is unwieldy.

Slide 3:

Aircraft Computer Models

Simplifications are made.

Computer models are validated by wind tunnel experiments and flight tests of existing but similar aircraft.

For the Dash 8-400, model tests could be compared to flight tests of the Dash 8-300.
Et cetera.

Otherwise, garbage in gets garbage out.

Slide 4:

Aircraft Computer Models

The same partial differential equations which solve the flow around an aircraft can be used to solve the flow around Earth, known as the climate.

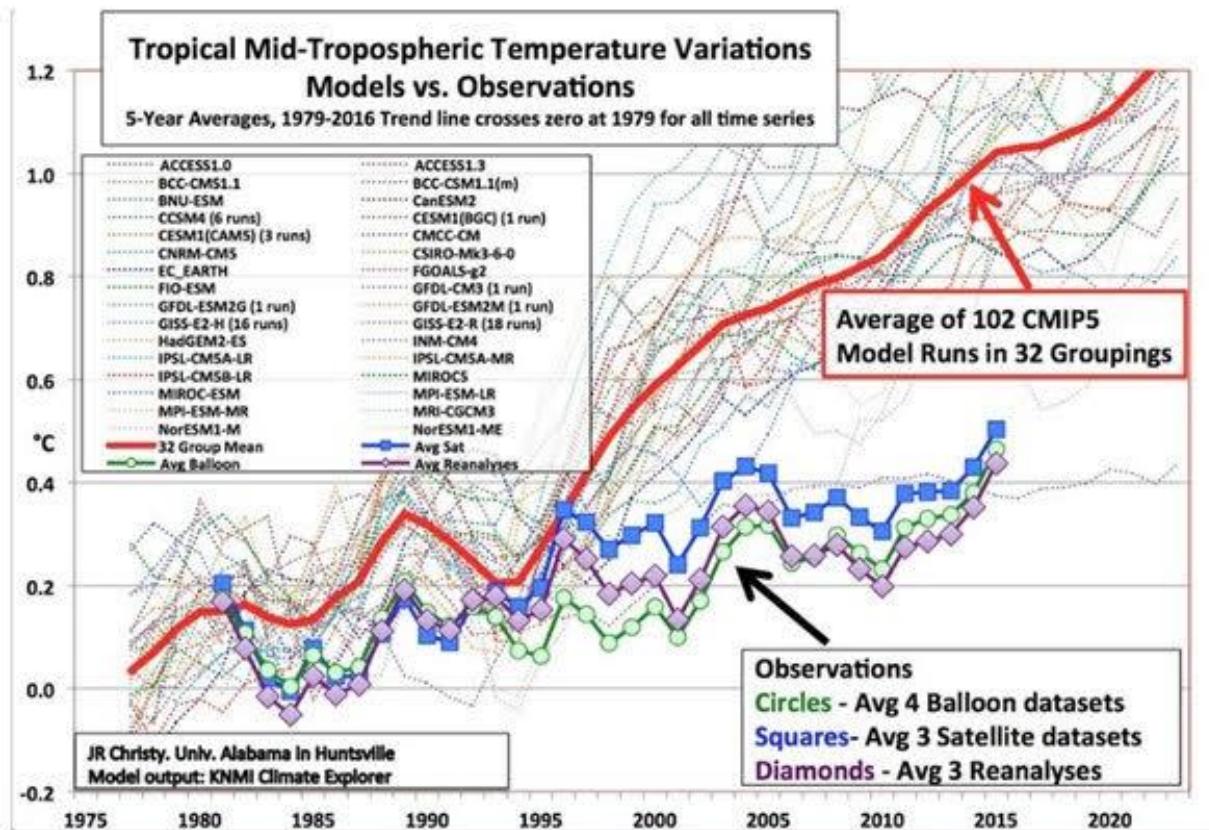
An airplane geometry, although fairly complex, is so much simpler than the environment.

However, with an aircraft, there is just air. The world also has water in two phases in addition to air.

Even with enormous simplifications of the world, the computing task is just inconceivably enormous.

Slide 5:

The computer models go against our lying eyes and prove there will be a catastrophic increase in temperature.



Slide 6:

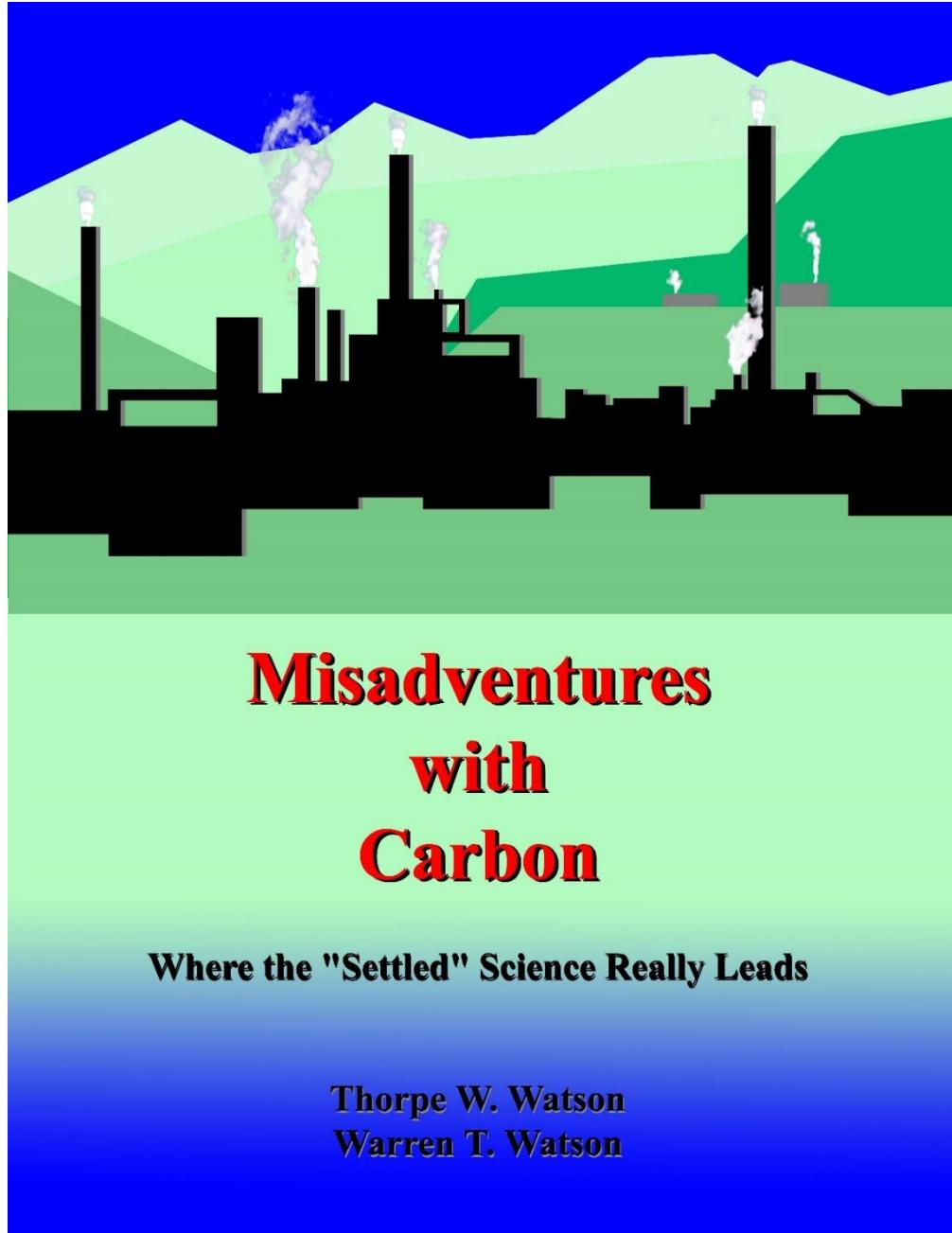
“The Earth’s climate is too complex for even the most powerful computers to fully simulate. Just as modern weather models cannot tell us with certainty whether it will rain next week, climate models can only predict a likely range of outcomes.”

The models use “parameterizations,” or simplified equations to handle clouds, evaporation, rain and snow.

“Climate models agree on many important facts about our climate. For instance, models reliably show that adding more greenhouse gases to the atmosphere will cause average temperatures to rise. Models also try to predict how climate change will affect rainfall, sea levels, ice cover, and other parts of the natural world.”

MIT Climate Portal
Published January 8, 2021.

Slide 7:

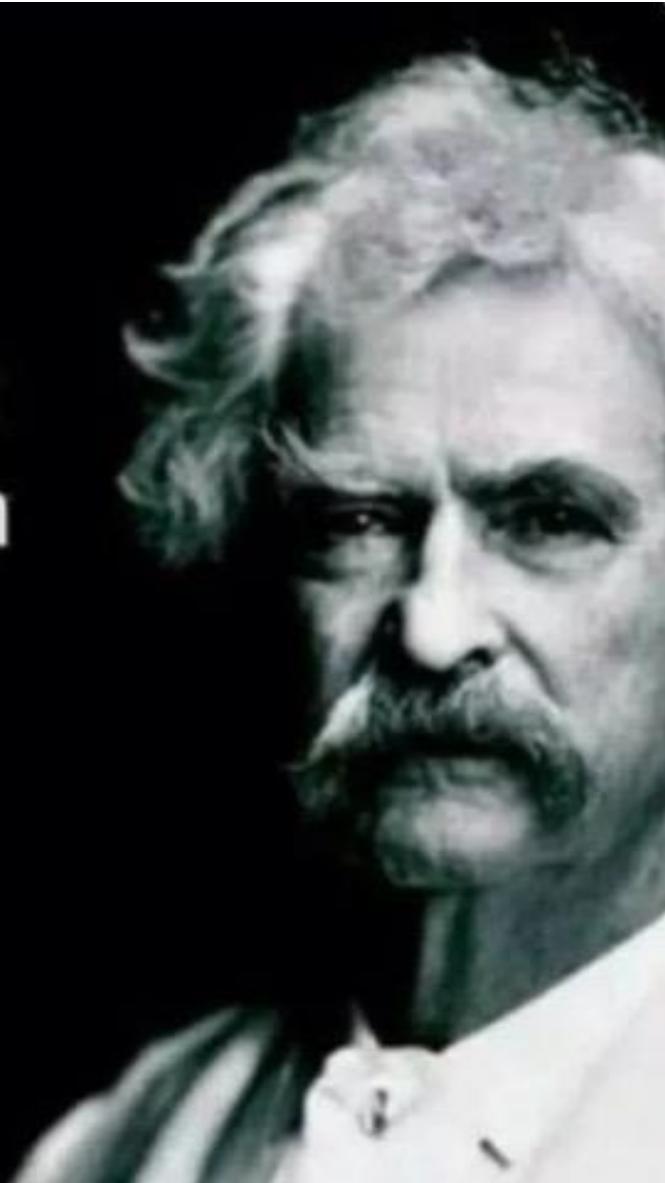


Together, my father and I wrote a book available on Kindle called the Misadventures of Carbon, Where the Settled Science Really Leads.

Slide 8:

**"It's easier to
fool people than
to convince them
that they have
been fooled."**

- Mark Twain -



The climate hoax will go down as the biggest scam ever. Well at least until the Covid pandemic and vaccine came along.

Slides 9-12:

Sorry, but I Have Some Bad News for You...

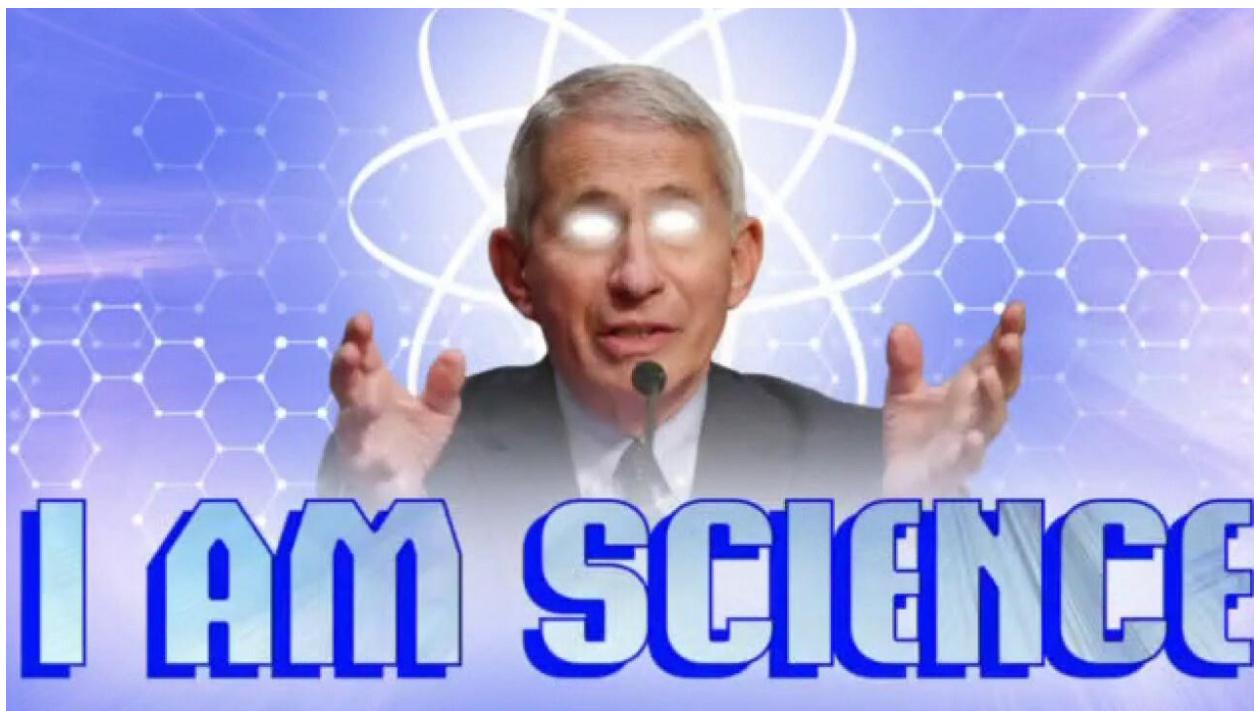
There is a Climate Emergency, and You Only Have a Year to Live...

Unless you allow for the expansion of government with increased taxation, more regulations and increased government control.

In a year, when you do not die, the lamestream media's obvious conclusion will be that government funding worked, and you are lucky to have trusted the government.

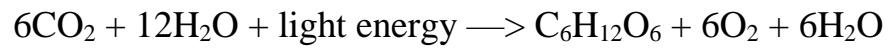
Slide 13:

Fear makes for an obedient public.



Slide 14:

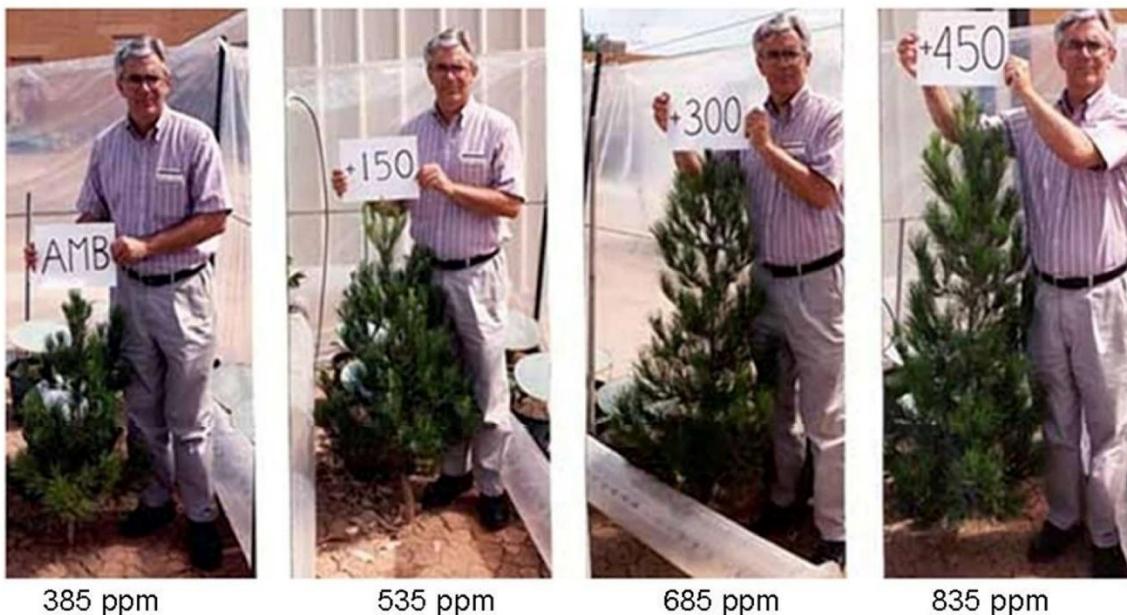
Photosynthesis is not Disputed Science



Slide 15:

CO₂ is Plant Food

Here is what happens with more CO₂



“**Sherwood B. Idso** (born June 12, 1942) is the president of the Center for the Study of Carbon Dioxide and Global Change, which rejects the scientific consensus” hoax “on climate change.”

“Previously he was a Research Physicist with the U.S. Department of Agriculture's Agricultural Research Service at the **U.S. Water Conservation Laboratory in Phoenix, Arizona**, where he worked since June 1967.”

“He was also closely associated with **Arizona State University** over most of this period, serving as an adjunct professor in the Departments of Geology, Geography, and Botany and Microbiology. His two sons, Craig and Keith, are, respectively, the founder and vice president of the Center for the Study of Carbon Dioxide and Global Change.”

Sherwood B. Idso, Wikipedia, Retrieved June 1, 2023 from
https://en.wikipedia.org/wiki/Sherwood_B._Idso

Slide 16:

CO₂ is so important for plant growth that greenhouse operators use CO₂ generators.

greenhousemegastore.com/collections/co2-generators

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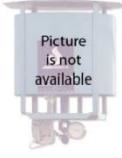
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CO2 Generators

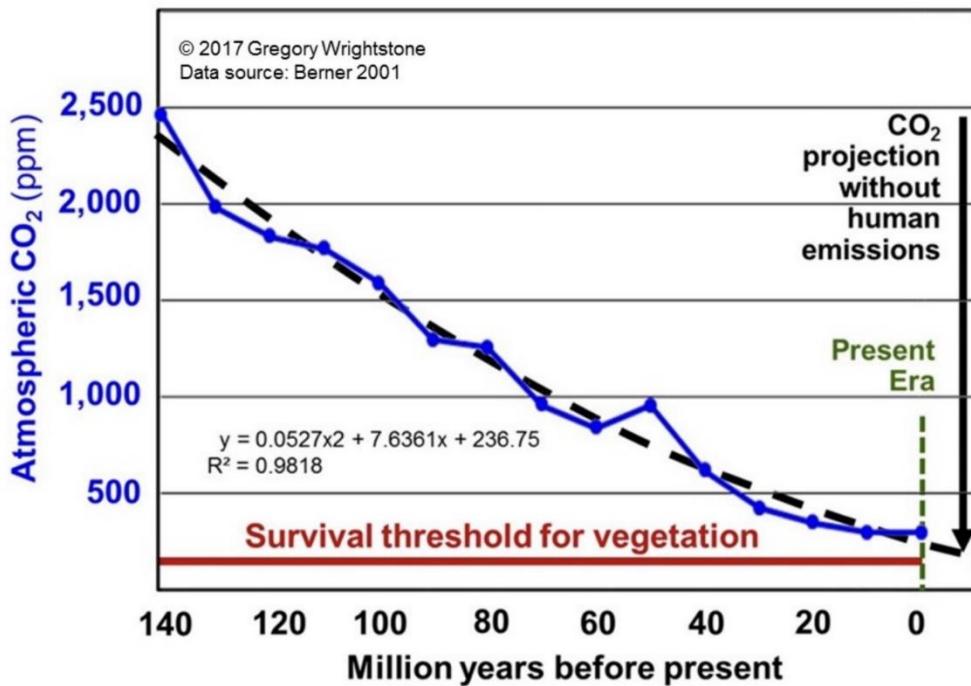
Carbon dioxide is an essential ingredient in green plant growth, and is a primary environmental factor in greenhouses. CO2 Generators automatically provide the carbon dioxide needed to meet maximum growing potentials.

4 products

Best selling

 High Output CO2 System \$140.00 ★★★★★ 11 reviews	 Johnson CO2 Generator \$1,608.69	 Transformer for CO2 Generator \$99.06	 Control Timer Package \$449.49 Picture is not available
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Slide 17:



CO₂ has been decreasing from 7,000 ppm, when life started on Earth, towards planetary extinction at 150 ppm, but did man stop it?

It is not certain, but what is certain is that if man did something right, government was probably not involved.

Slide 18:

There is no climate emergency.

CO₂ is Plant Food.

More CO₂ and a warmer planet increase food production and give Canada more arable land.

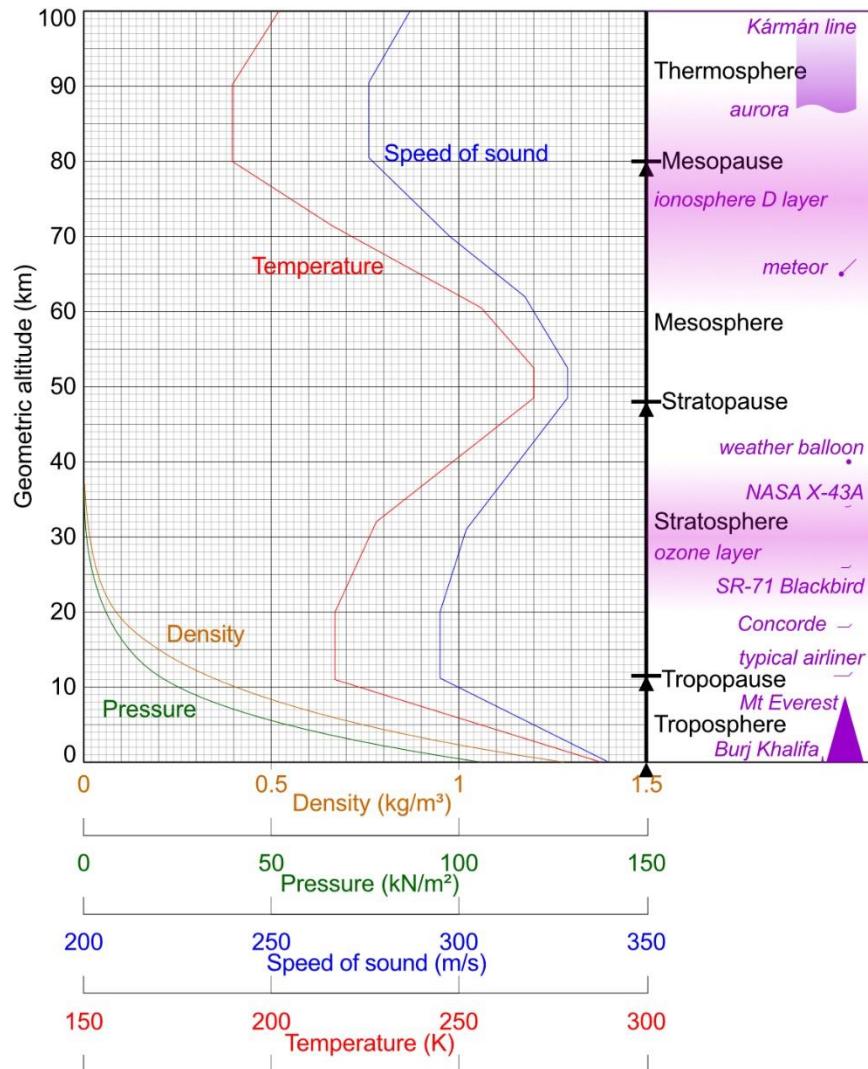
Slide 19:

"...Back-radiating trace gases cannot make the earth's surface warmer than solar energy makes it."

Tim Ball, "Slaying the Sky Dragon." 2011, p5.

Tim Ball, who proved, in court, that Michael Mann and his hockey stick of ramping-up temperature (out of control global warming) were fraudulent, equated the greenhouse effect in the atmosphere to a fictitious sky dragon.

Slide 20:



The Mesopause is the coldest spot around earth at -100 degrees Celsius.

The atmosphere is colder than Earth, and the second law of thermodynamics says a cooler body cannot heat a warmer body.

Slide 21:

There are no greenhouse gases and no greenhouse effect in the atmosphere.

A greenhouse needs a glass ceiling not an open window to the heat sink of outer space.

Slide 22:

David vs Goliath: CO₂ vs Water Vapour

CO₂ is 0.0417% of the atmosphere. Water Vapour is 0 to 3%. Not only can water be much more prevalent than CO₂, it has a higher absorption spectrum. This property allows microwave ovens to function. Even N₂ is 78%, and O₂ is 21%. These molecules are far more present in the atmosphere than CO₂. Methane is even a smaller trace than CO₂. It is 0.000187%.

CO₂ is a trace gas, and if it can control the environment, it must be a miracle molecule. It should be harnessed as a source of energy, but this is not possible because all the hype around CO₂ is just a lie to fight fossil fuels and my steak dinner.

Slide 23:

Methane produced by bovine flatulence is another trace gas in the fictitious greenhouse saga.



Slide 24:

Even if global warming were a problem, we have a radiator.

Spencer writes, “One curious, but seldom mentioned observation is that most of the water in the ocean, even in the tropics (at depth), hovers around the frigid temperature of 40 degrees Fahrenheit...Might this huge reservoir of cold water represent a long-term buffer against warming? No one knows.”

Spencer, Roy W, *Climate Confusion-How Global Warming Hysteria Leads to Bad Science, Pandering Politicians and Misguided Policies that Hurt the Poor*, New York, New York: Encounter Books, 2008. Page 76.

Slide 25:

But we really do know, don't we?

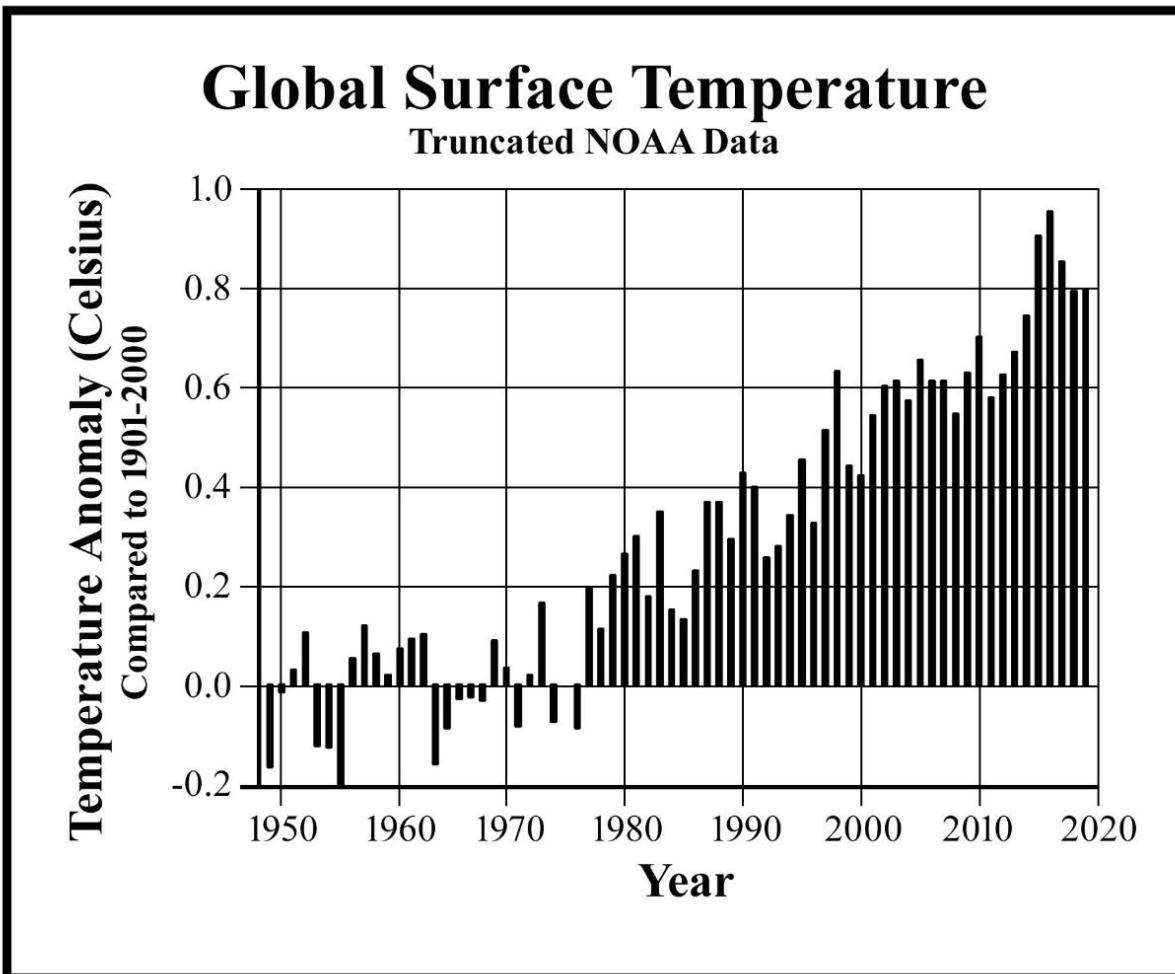
There is no climate emergency.

There is no greenhouse effect in the atmosphere.

Slide 26:

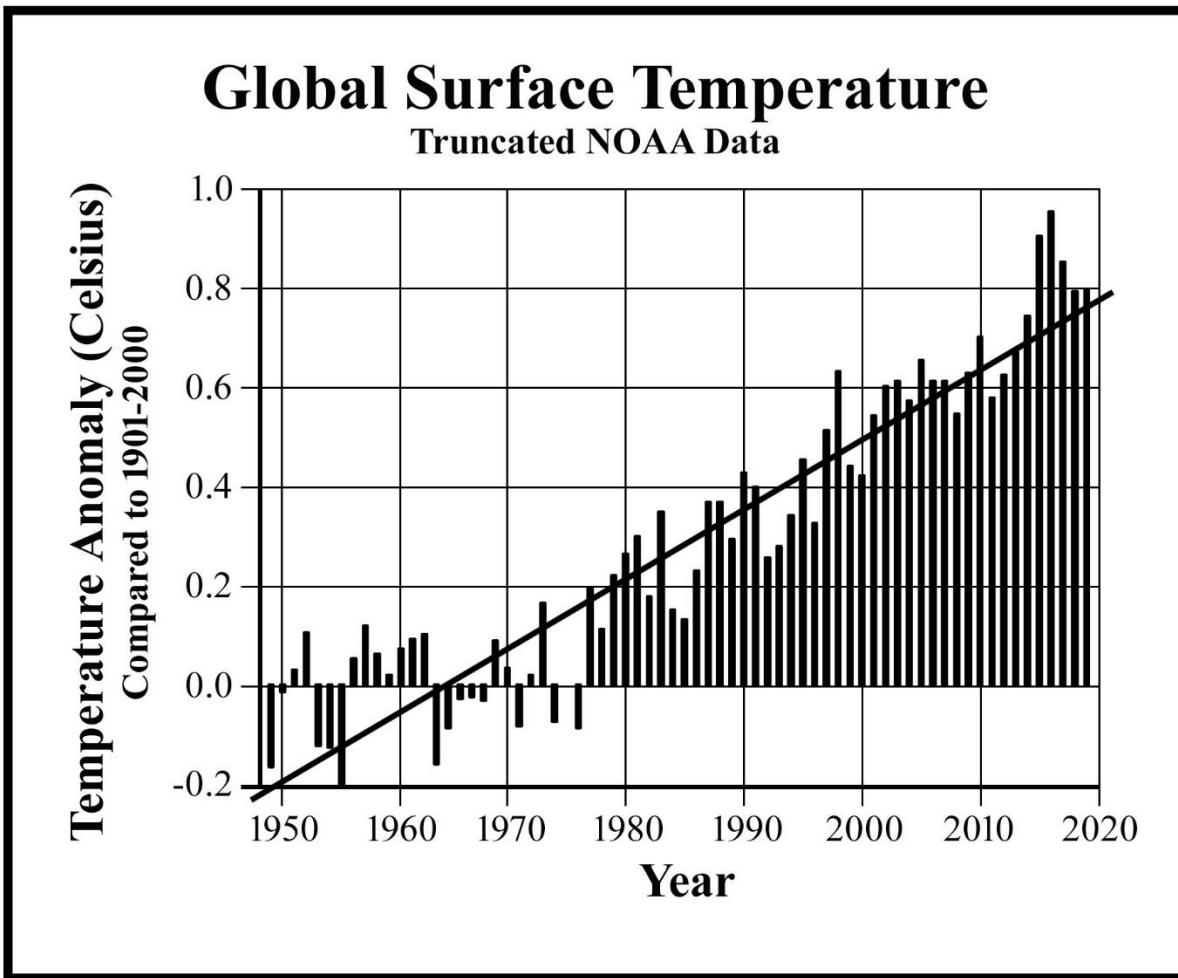
If there is no greenhouse effect, is temperature still ramping up?

Let's ask NOAA.



Slide 27:

Looks linear? Right? Especially if we draw a straight line.



This line is extrapolated to produce IPCC predictions.

Slide 28:

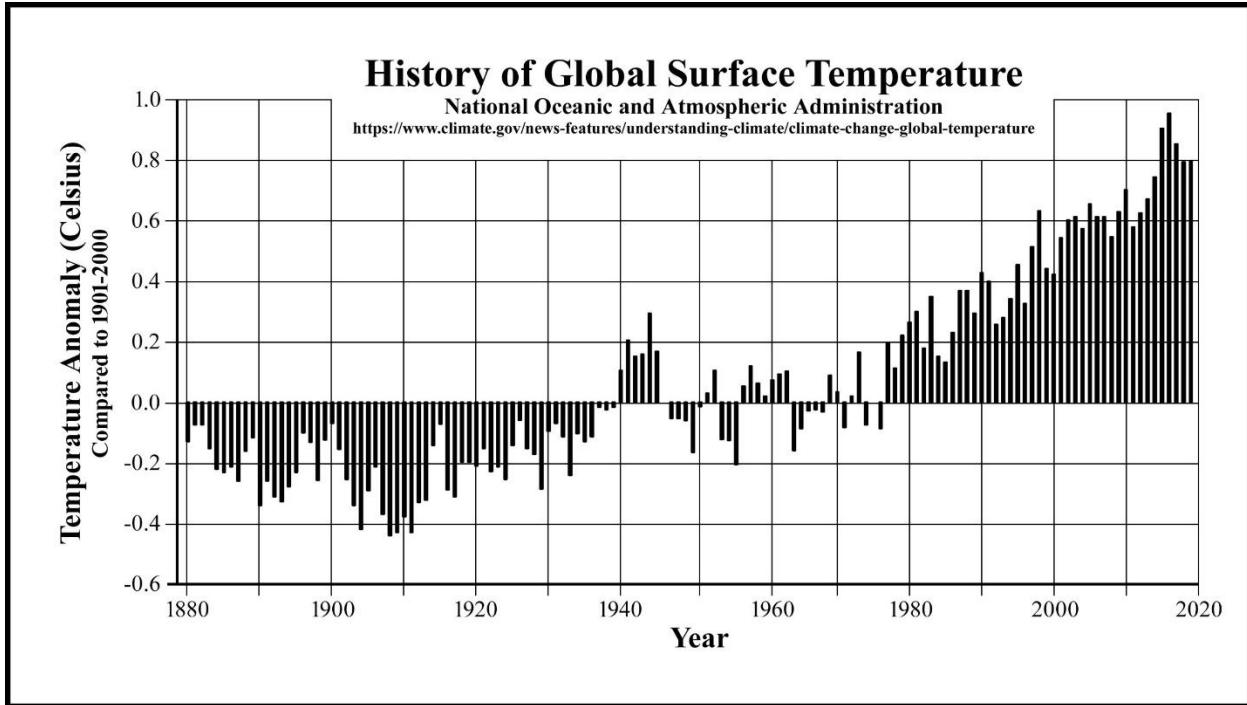
From the IPCC (United Nations Intergovernmental Panel on Climate Change) October 2018 report, 2030 is the target date (the twelve years). In the report's summary for policymakers (SPM A.1), a global warming of 1.5 degrees Celsius will be reached between 2030 and 2050 at the current rate of warming. This assumes the warming is linear not cyclic.

The summary (SPM A.3) also states, “the climate-related risks will be higher for a global warming of 1.5 degrees Celsius.” It is extremely dishonest to extrapolate from this that the world will end in twelve years.

However, there is no mention of climate catastrophe until lying politicians play the telephone game.

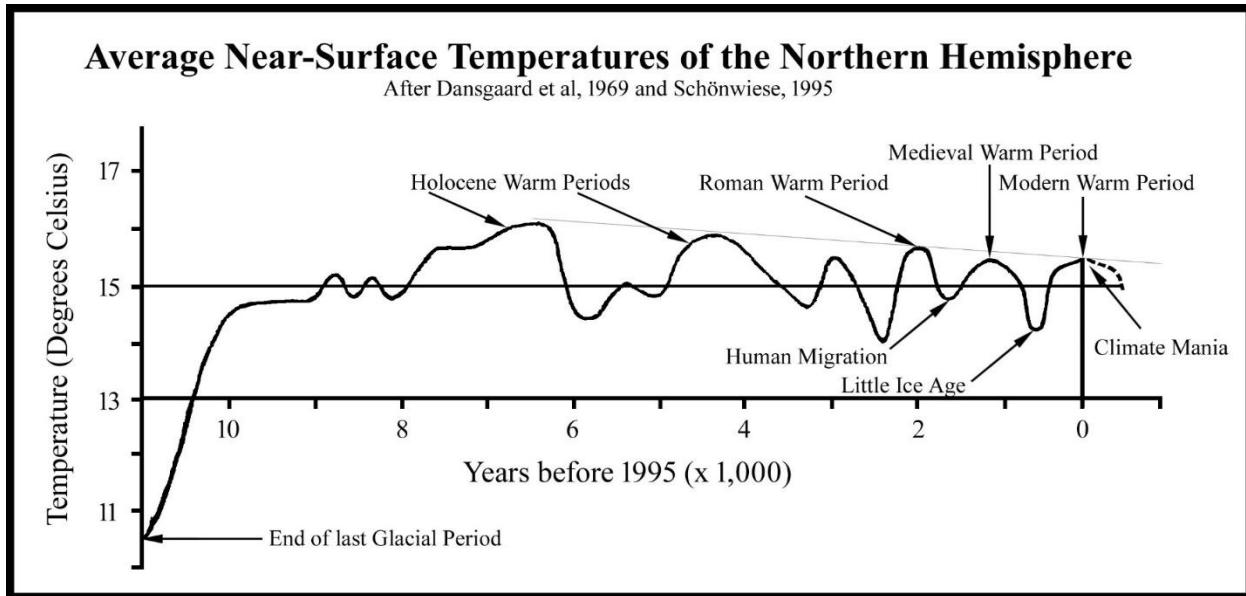
Slide 29:

However, the lie is even worse. The rest of NOAA's data is plotted and the linear relationship is on real shaky ground. The climate is oscillatory not linear.



Slide 30:

We can expand the time frame even more. Temperatures before thermometers are obtained from stagnant lake bottoms, cave data, tree rings and ice core data.



Slide 31:

The obvious conclusions the people, who truncated the data so it looks linear, do not want the average person to reach are:

There is no climate emergency.

There is no greenhouse effect in the atmosphere.

The climate changes cyclically.

Slide 32:

So, why the attack on Carbon (CO₂)?

It is an attack on fossil fuels and food production because once energy and food production are controlled, the populace is submissive.

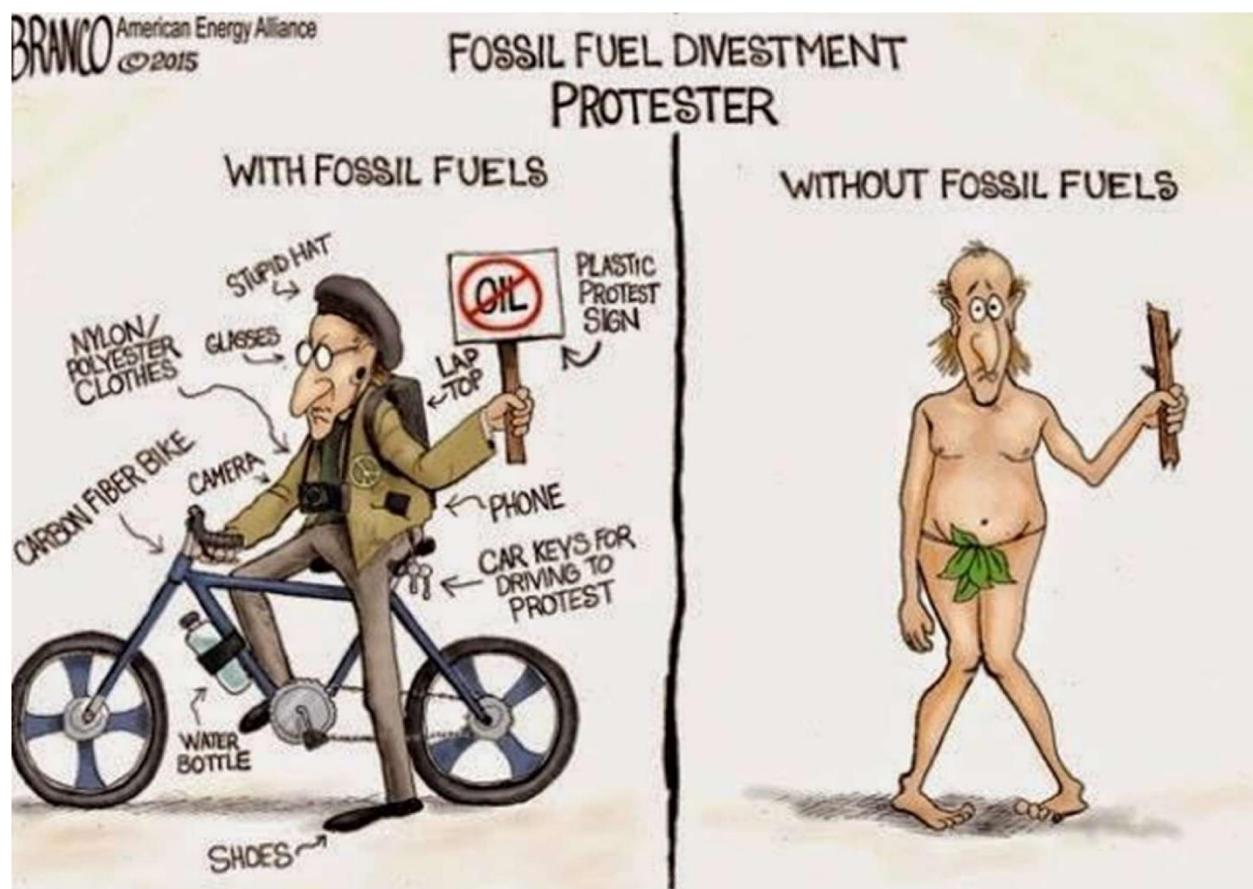
Slide 33:

So, why the attack on fossil fuels?

Cheap fossil fuels bring people out of poverty and reduce their reliance on government.

They also reduce the amount wood is burned for fuel which greens the planet.

Take away fossil fuels, and we lose many products.



Slide 34:

There is no need to panic...

We have around 500 to 1,000 years of fossil fuels left at our current rate of consumption.

We have time to develop alternate sources like nuclear, but we do not need to hit the panic button yet.

The Thorium reactor has promise. A golf ball of refined Thorium will meet the energy needs of one person for a lifetime.

Perhaps a fusion reactor can be developed.

There is certainly nothing wrong with fission reactors except misguided and misinformed public opinion. The Candu reactor is heavy water moderated and is safe.

Slide 35:

If we cripple ourselves with low energy density green energy, we will be no longer in a position to develop our economy and viable energy.

An impoverished Canada struggling with solar panels and wind turbines will be a third world country with no middle class.

There will be just the rich including the friends of the government and the very poor.

Slide 36:

There is no climate emergency.

There is no greenhouse effect in the atmosphere.

The climate changes cyclically.

Cheap energy in the form of fossil fuels is needed as we head into another little Ice Age.

Slide 37:

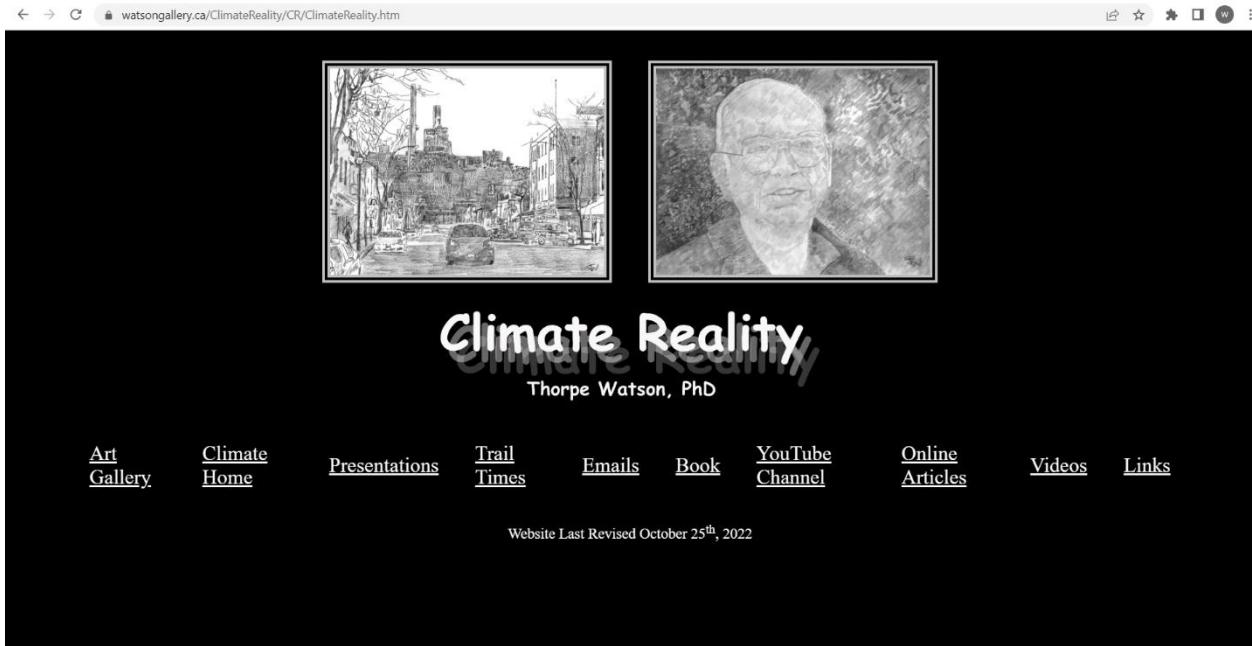
To the judge and jury. CO₂ is innocent. It is plant food. It may be the result of temperature change (outgassing from the oceans), but it is not the cause of it. There is just too little of it.

Furthermore, NOAA is hiding exculpatory evidence. Its “creative” temperature graph with no error bars showed the start of a downward trend. Is NOAA refusing to publish further data because it shows cooling? Of course. They like government money thrown at the problem.

Even if CO₂, a trace gas, causes a temperature increase which it does not, we need a warmer climate to reduce world hunger. For plant growth, we need a higher CO₂ level than caused by the burning of all our fossil fuel reserves combined.

Slide 38:

<https://watsongallery.ca/ClimateReality/CR/ClimateReality.htm>



Thank you for listening. You can get more information including many links and articles from the website of my father called Climate Reality.

Slide 39: Bonus Slide if anyone asks

The First Law of Thermodynamics

Energy in a closed system cannot be created or destroyed. It is conserved in another form of energy¹.

The Second Law of Thermodynamics

This is a law that governs heat transfer. It can be stated in three different ways².

Waste Heat Statement (Kelvin-Planck)

Energy from a hot reservoir cannot be used to do work without waste heat lost to a cold reservoir.

Refrigeration Statement (Clausius)

Heat will not spontaneously flow from a cold body to a warm one.

Disorder Statement

Entropy of a closed system always increases.

Heat is a low quality energy (more entropy) and mechanical energy is high quality (less entropy).

¹ E.V. Wong, Axolotl Academica Publishing, Libre Texts Biology, Retrieved June 1, 2023 from https://bio.libretexts.org/Bookshelves/Cell_and_Molecular_Biology/Book

² The Second Law of Thermodynamics, Energy Education, Retrieved June 2, 2023 from https://energyeducation.ca/encyclopedia/Second_law_of_thermodynamics