

Global Warming and CO₂: Canada

Global Warming is not a crisis, nor is it caused by CO₂ emissions.

- **Canada's climate has not materially changed over the last 120 years..**
- **The global impact of Canada going "Carbon Neutral" has a negligible global impact and is very costly.**
- **Canada has 594.7 billion trees. Only 25.7 billion trees are needed to capture all of Canada's CO₂ emissions. Canada's lakes absorb even more CO₂ than these trees. Canada does not contribute globally to net global CO₂ emissions.**
- **Spending \$multi-billions on Canada going "Carbon Neutral" doesn't add up.**

[It Is Easy Going Green](#) [The value of added CO₂](#)

<https://natural-resources.canada.ca/our-natural-resources/forests/sustainable-forest-management/boreal-forest/13071>

Climate Crisis Scam <https://youtu.be/aT2SvIAkE5s>; Gregory Wrighstone

Cause of climate change <https://www.youtube.com/embed/1Mj16tiUyl4>

Joe Rogan interview with Dr. William Happer and Dr Richard Lindzen https://www.youtube.com/watch?v=Zt32chvO_iY

short interview clips <https://youtu.be/6bJsWeoNjmg> <https://youtu.be/zJng54iRhCM> <https://youtu.be/mdIGiBEBaQA>

short interview clips <https://youtu.be/fPWU23gzPSo> <https://youtu.be/uV61bIEEbzM> <https://youtu.be/IRWQ32FGX8o>

Global Warming and CO₂

Introduction

Given my background as a professional geologist and geophysicist who spent my career studying climate change implications, I was surprised by claims that mankind was causing a climate change crisis. I am aware of prior ice ages, climate change and changing sea levels that occurred well before mankind arrived. I am also aware that CO₂ is critical for plant life. This drove me to research this subject in much more detail.

I offer you this material, along with connections to more extensive reports for your consideration.

Graeme Phipps Professional Geophysicist and Geologist

email: graeme@phippsandassociates.com

Video presentation: [Graeme Phipps Climate Change Presentation](#)

Global Warming and CO₂

Introduction

This presentation shows the results of my research into this subject, obtained from 37 books, 267 articles, 137 videos and 60 well-respected and competent scientists and professionals, all listed at the end of the presentation. The results of my ongoing analysis are contrary to what is being said in mainstream media and have important implications for future Government actions.

Please consider this quote from Tolstoy's 1894 treatise "The Kingdom of God is Within You" where he states: **"The most difficult subjects can be explained to the most slow-witted man if he has not formed any idea of them already, but the simplest thing cannot be made clear to the most intelligent man if he is firmly persuaded that he knows already, without a shadow of a doubt, what is laid before him".**

Please proceed with an open mind.

This presentation summarises findings relevant to Canada. For complete presentation:

<https://www.dropbox.com/scl/fi/zmdv7s2hwousomq52dvbg/Climate-Change-Complete-version.pdf?rlkey=o3lo8p1zluzqvli8aghcocom7v&st=nwe1g788&dl=0>;

Also, see the weekly science-based technical review of Climate Change issues (www.sepp.org).

[Bing Videos](#); Lord Monckton Net Zero Emissions – The Costliest Error of Physics and Economics in History

Climate The Movie <https://www.youtube.com/watch?v=A24fWmNA6IM>

Global Warming and CO₂

Introduction

Key Findings

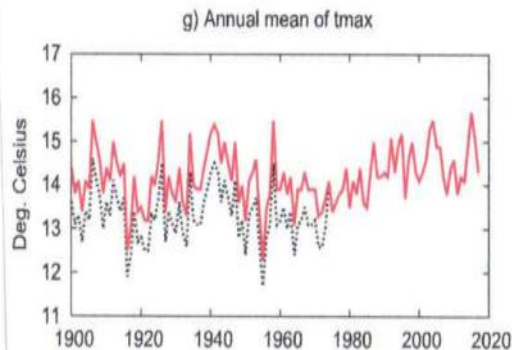
- 1) Climate change is a very complex system, with CO₂ as a greenhouse gas playing a very minor and not dangerous role
- 2) Increased CO₂ in the atmosphere is beneficial and not damaging to the world. Carbon dioxide has two relevant properties: as a creator of food and oxygen, and as a greenhouse gas
 - i) Added CO₂ increases plant growth and is essential for plant life. The world is greening and plant and crop yields have significantly improved
 - ii) Added CO₂ is not causing increased extreme and dangerous weather events, which are not increasing compared to historic occurrences
 - iii) Added CO₂ has reached a near-saturation level. The CO₂ Greenhouse temperature impact changes logarithmically, requiring continuously doubling the amount of added CO₂ to obtain the same prior temperature effect and future added CO₂ makes a minimal temperature impact
 - iv) Added CO₂ does not bring about the proposed runaway temperatures. Historically, the globe experienced over 10 times the present CO₂ level without associated runaway temperatures

What is Canada's climate situation and the threat of a "Climate Emergency"?

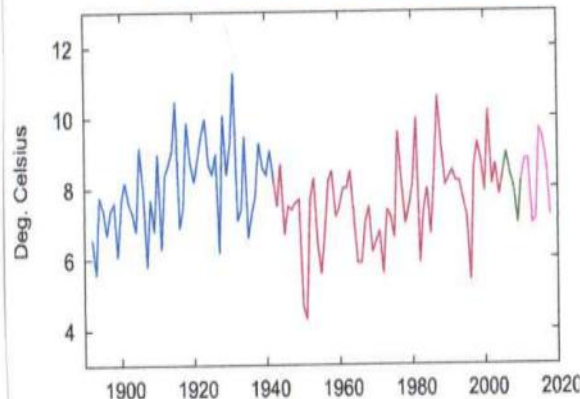
Canada's mean daily maximum temperatures since recording began show only a 1 to 2 °C mean change over the last 120 years; hot summer days and cold winter nights change of over 6°C

- Canada's annual average air temperatures taken from Victoria BC, North Battleford, Saskatchewan and Moncton, New Brunswick sites since 1900 show about a 1 to 2 Celsius increase over the last 120 years.
- At these rates, the impact on Canadian temperature over the next 100 years would be about 1 ° C.
- Canadian daily temperatures in major populated areas have ranged from winter night lows of -30C to summer day highs of +30C+ without serious issues
- A change of 1 °C against daily seasonal ranges of up to 60 °C is not a "Climate Emergency"!
- **Canada's Annual Mean of the Daily Maximum Temperatures 1900 to 2018**

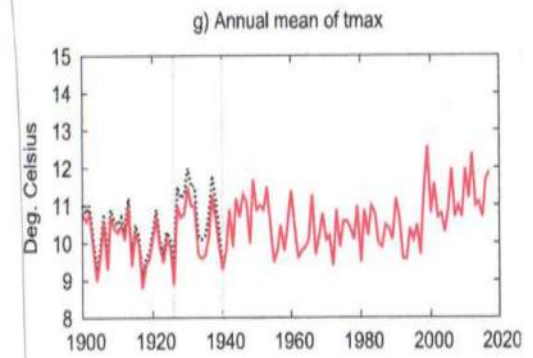
Victoria, British Columbia



North Battleford, Saskatchewan



Moncton, New Brunswick



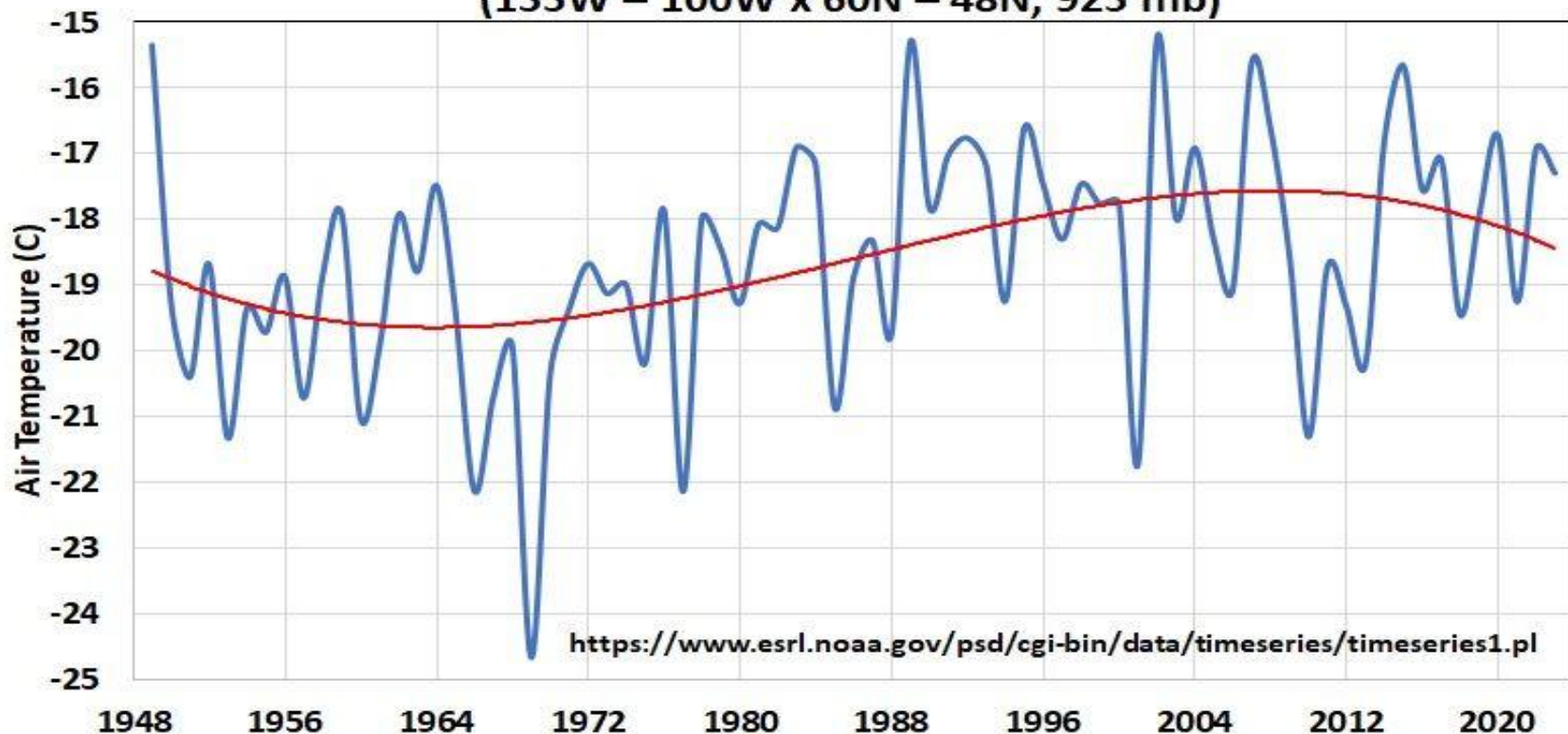
What is Canada's climate situation and the threat of a "Climate Emergency"?

Western Canadian Temperatures Show Cyclic Variations Unrelated to CO₂ Increases

Radiosonde (aka weather balloon) data show that the lower tropospheric air temperature over Western Canada continues to exhibit a cyclical trend.



**Annual Averaged Lower Tropospheric Winter Season Air
Temperatures for Western Canada NCEP Reanalysis
(135W – 100W x 60N – 48N, 925 mb)**



What is Canada's climate situation and the threat of a "Climate Emergency"?

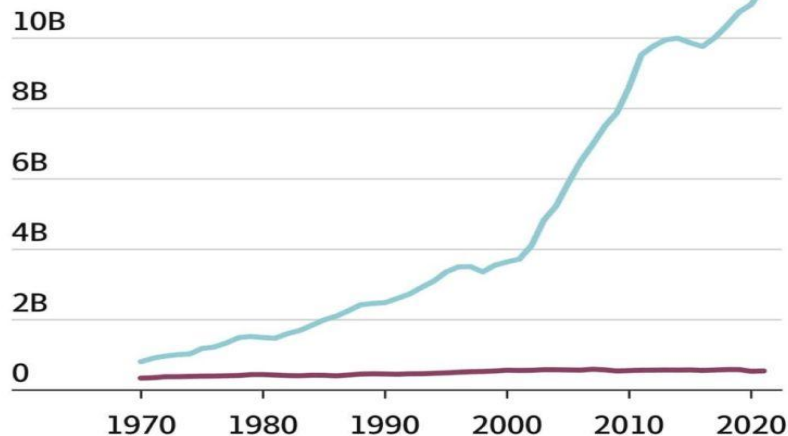
Canada's CO₂ emissions are very small. Other countries are significantly increasing CO₂ emissions

The International Energy Agency 2022 Coal Report documented that in 2021–22 global coal demand increased by 3.2% and for the first time passed 8 billion tons. Coal use in electricity generation is globally at an all-time high.

Carbon emissions: Canada vs. China

Annual CO₂ emissions from fossil fuels and industry, in billions of tonnes

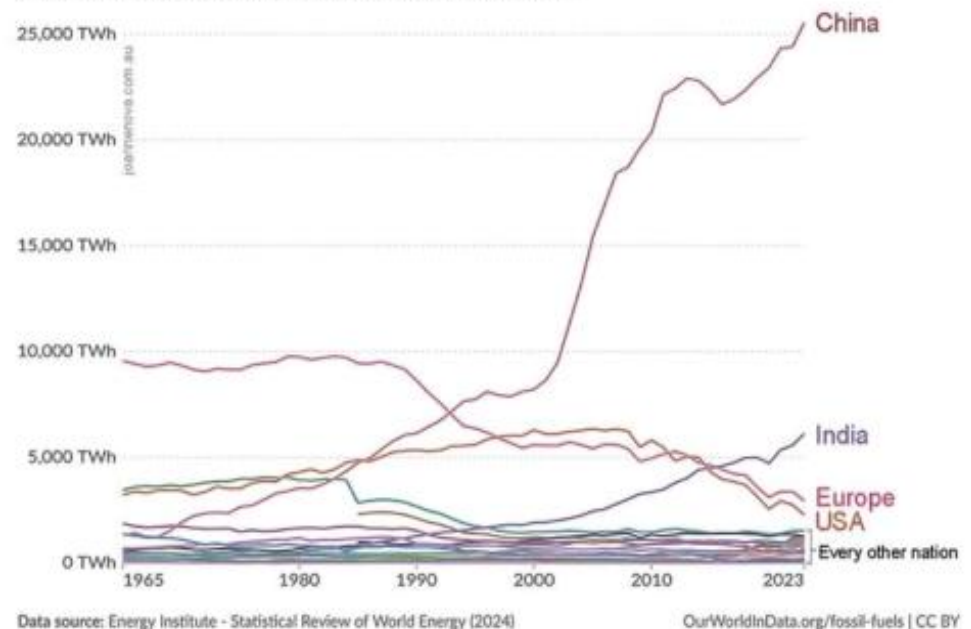
— Canada — China



JOHN SOPINSKI / THE GLOBE AND MAIL, SOURCE: OURWORLDINDATA.ORG

Coal consumption

Coal consumption by country or region, measured in terawatt-hours (TWh).



Other 3rd world countries are also increasing coal burning for electricity use to meet energy needs

- https://open.substack.com/pub/robertbryce/p/the-iron-law-of-electricity-strikes?r=ukert&utm_campaign=post&utm_medium=email
- <https://www.heritage.org/global-politics/commentary/china-abandons-paris-agreement-making-us-efforts-painful-and-pointless>
- <https://co2coalition.org/2024/10/14/western-households-sacrifice-as-asians-splurge-on-coal/>

What is Canada's climate situation and the threat of a "Climate Emergency"?

Canadian trees capture more than the total Canadian CO₂ emissions

Canada has **594.7 billion trees**

Canada produces **559 Megatonnes of Co₂**

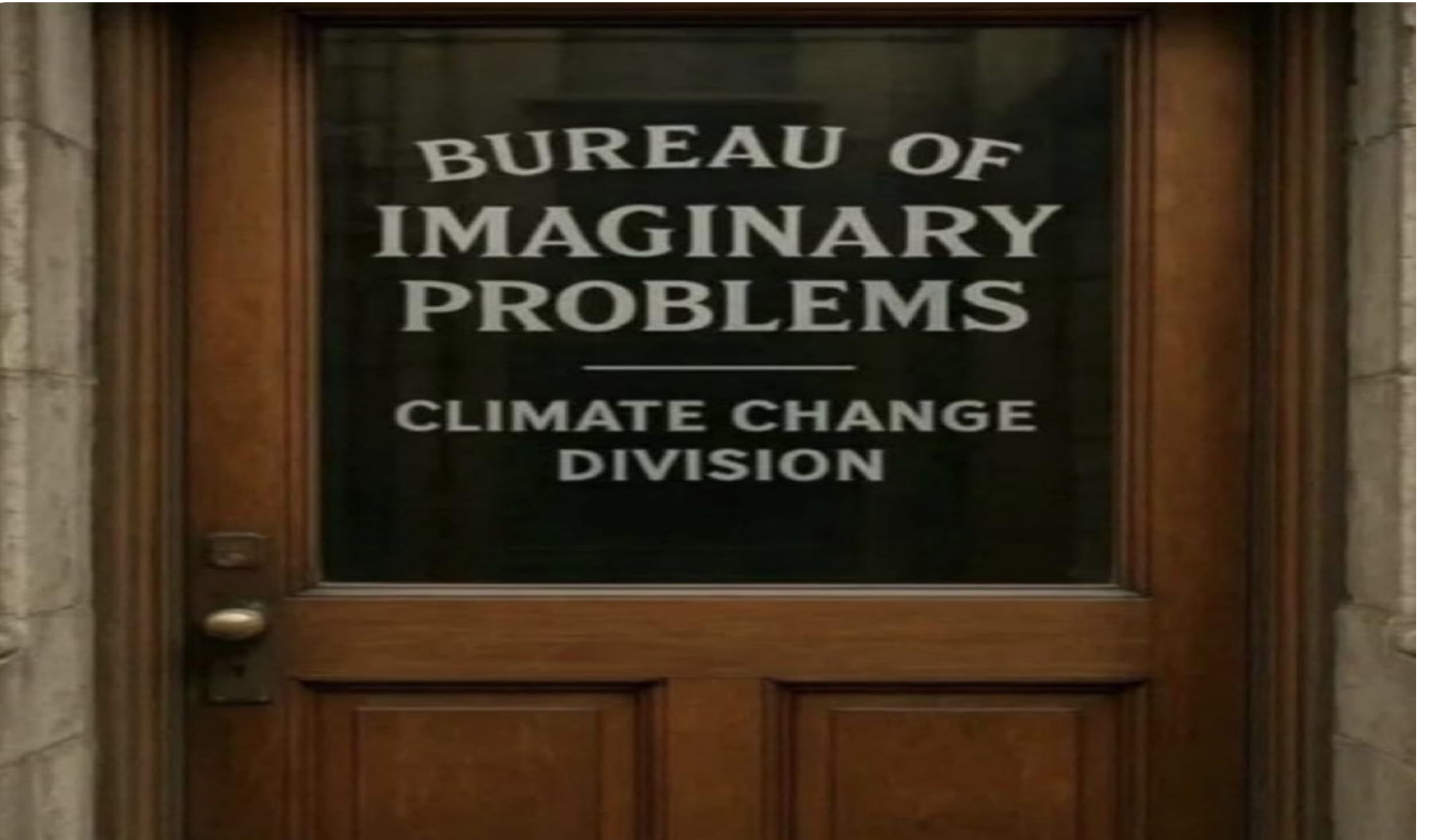
To capture all of Canada's Co₂, it takes **25.7 billion trees**



Therefore, Canada has **569 billion unemployed trees...**

It's obvious the **Carbon Tax** is one of the largest scams in Canadian history!

Are warmer temperatures and higher CO₂ levels causing a climate crisis?

A photograph of a dark wooden door with a large glass panel in the upper half. The glass panel has white text on it. The text is arranged in three lines: 'BUREAU OF' on the first line, 'IMAGINARY' on the second line, and 'PROBLEMS' on the third line. Below these three lines is a thin horizontal white line. Underneath the line, the text 'CLIMATE CHANGE' is on the fourth line and 'DIVISION' is on the fifth line. The door is set in a stone wall, and a brass doorknob is visible on the left side of the door.

BUREAU OF
IMAGINARY
PROBLEMS
—
CLIMATE CHANGE
DIVISION

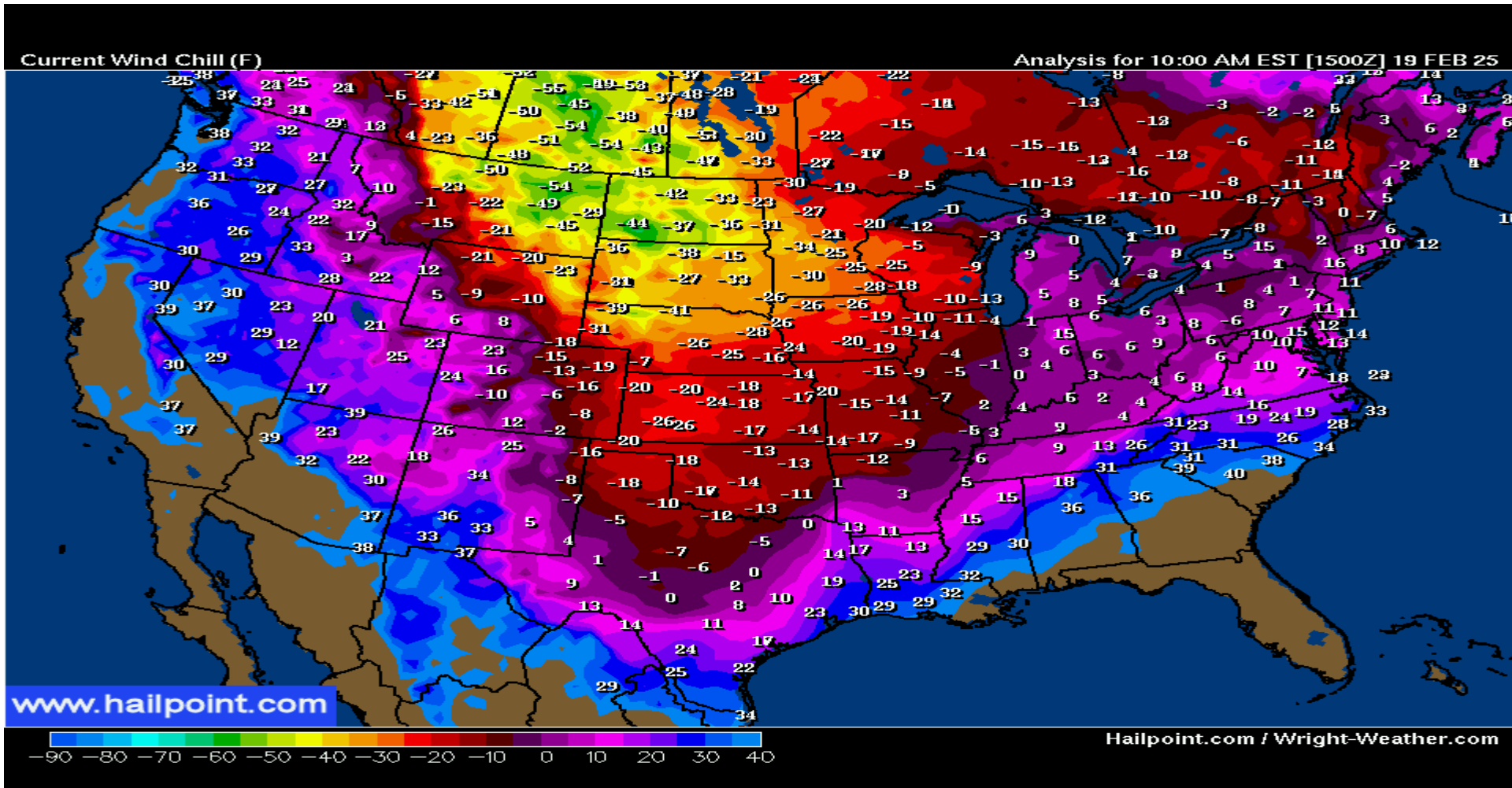
False Climate report: News about Media Doing 'damage Control' As Widely Reported Study ...
Climate Scam Explanation <https://www.facebook.com/share/v/14PYv1fEJhD/?mibextid=wwXlfr>

Are warmer temperatures and higher CO₂ levels causing a climate warming crisis?

February 19, 2025: Record-breaking cold across North America

- Recent low temperatures go against CO₂ driven global warming climate crisis

Record-breaking cold: Temperatures to plunge to as much as 50 degrees below



Are higher CO₂ levels and warmer temperatures good or bad?

Human crises were much higher during the period of a deteriorating, colder climate

Example: The 1815 volcano-induced cold spell had a devastating effect on human life

1815 Volcanic Eruption Results in a Cold, Devastating Period

- On April 5, 1815, Mount Tambora volcano in Indonesia, erupted, releasing 100 cubic kilometres of molten rock—and ash clouds that covered an area the size of Australia—into the sky.,cooling the Earth's temperature, resulting in starvation and misery
- It took a full year after the eruption for the shockwaves to reach Canada. On April 12, 1816, it began snowing in Quebec City—and it didn't stop. A news report from April 18 wrote, "The country has all the appearance of the middle of winter, the depth of snow being still between three and four feet. We understand that in many parishes the cattle are already suffering from a scarcity of forage.". By June, the noontime temperature in central Ontario was just one below zero. In the Quebec countryside, newly shorn sheep began dying from the cold. The *Montreal Herald*, meanwhile, urged readers to plant as many potatoes as possible in case the summer's wheat crops failed completely.
- Manitoba [witnessed](#) a cold spell that began on June 5. "A very sharp frost at night... killed all the barley, wheat, oats and garden stuff above the ground except lettuce and onions"
- Cold fronts continued to sweep through Lower Canada in July. By September, Lower Canada was destitute. Up to four-fifths of the region's hay crops were ruined, while the frost left the province with a small wheat harvest and an even smaller supply of oats. Farmers were forced to sell their dairy cows to buy bread, while others survived on a diet of wild herbs.

Reference [witnessed](#) 1816, the year without a summer

Are higher CO₂ levels and warmer temperatures good or bad?

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1815 Volcanic Eruption Results in a Cold, Devastating Period

- These cold-related disasters also occurred in the rest of the world
- Summer frosts also devastated much of the eastern United States, from New England to Virginia. Failing crops and rising bread prices led many hungry settlers to leave for areas in the Midwest, particularly modern-day Indiana and Illinois.
- Across the Atlantic, the citizens of Germany and France struggled with surging food prices. In the Netherlands, rainstorms destroyed so much hay and grain crops that farmers, fearing their livestock would die of starvation, began slaughtering them. Ireland, meanwhile, faced famine as the region's wheat, oat and potato harvests failed.
- India was ravaged by several late-season downpours. As harvests failed, a combination of famine, mass migration and crowded communities led to the world's first cholera pandemic. By the winter of 1816, the disease broke out in northeastern Bengal—where it killed 10,000 people in two weeks—and spread across Nepal, Thailand, the Philippines, China and Japan.

Reference [witnessed](#) 1816, the year without a summer

Is present Global Warming a man-made or a natural phenomenon?

1) Volcanic eruption, a natural event, warms the Earth's surface

Hunga Tunga Ha'apai Volcano Impacts Global Atmosphere

The eruption of the Hunga Tonga-Hunga Ha'apai volcano 490 feet under the waves on January 15, 2022, blasted an enormous amount of water and volcanic gases into the sky higher than any other eruption in the satellite era. This underwater explosion sent 146 million tons of water from the South Pacific Ocean into the stratosphere.^[60] changing the water composition of Earth's atmosphere and potentially heating it up *for years*. In just a few days, the superheated water from the Hunga Tonga eruption blanketed the entire globe, pole to pole, East to West. It caused the most intense atmospheric explosion ever recorded by modern instruments.

The amount of water vapor ejected was 10 percent of the stratosphere's typical stock.^[61] It was enough to temporarily warm the surface of Earth. It is estimated that an excess of water vapour should remain for 5–10 years.^[59] Hunga's eruption broke all records for injection of *water vapor*—the most powerful greenhouse gas—into the atmosphere. [NASA](#)

[Bing Videos](#) Hunga Tunga satellite view

[A volcanic eruption sent enough water vapor into the stratosphere to cause a rapid change in chemistry - NOAA Research](#)

What is Canada's situation and the actual impact of going carbon neutral?

Canada going "Carbon Neutral" does not make sense nor add value for money

- Canada's CO₂ emissions are just over 1% of world emissions. Even if CO₂ levels materially impact global temperatures (which is likely not the case), going "Carbon Neutral" for Canada would have only a very minimal world impact, making no difference.
- **The Government of Canada has launched the \$8 billion Net-Zero Accelerator Fund to help large emitters reduce their emissions. Plus, the Government is taxing Canadian citizens via a carbon tax. In 2023-24, the government expects the tax to raise \$5.7 billion. Is this value for money?**
- Based on recent historical trends, in the next 100 years in Canada
 - The impact of temperature changes is likely about 1 ° C (not a concern)
 - Given no material high tide rises over the last **100-plus** years, the impact of sea level rise is also likely not a concern and any potential rise can be managed.
- Is spending valuable taxpayer funds on the planned "Climate Emergency" good value for money?
- Are there better ways to help Canada than by cutting CO₂ emissions and imposing a Carbon tax? Do we want to feel good following a moral imperative that may be wrong, or do we want to effectively spend these funds in areas where funds are desperately needed and make an impact?
- The value of going "Carbon Neutral" should be in serious question. In my aforementioned separate presentation (available on request), warmer temperatures and increased CO₂ are shown to be good, not bad.
- **\$5.7 billion of funds and efforts in the Carbon Neutral initiatives should be directed elsewhere to well-defined and beneficial needs of Canadian residents. The principle of value for money spent should be upheld. The Carbon tax should be dropped.**

What is Canada's situation and the actual impact of going carbon neutral?

Canada going "Carbon Neutral" does not make sense, nor add value for money

- Dr. Richard Lindzen states "Surely, funds allocated to moving Canada to Carbon Neutral can be better spent elsewhere (adding more doctors and nurses, additional education funding"
- "CO₂ is a particularly ridiculous choice for a 'pollutant'; its primary role is as a fertilizer for plant life. Currently, almost all plants are starved of CO₂. Moreover, if we were to remove a bit more than 60% of current CO₂, the consequences would be dire: namely, death by starvation for all animal life."
- "... given the size of the energy sector, any attempt to rebuild it, however unnecessarily and ineffectively, presents immense opportunities for huge short-term profits – opportunities that are obviously tempting and strongly defended. Atop all of this has been the constant Geobellion repetition by the media of climate alarm. And this alarm is accompanied by so-called 'solutions' that deal with something, namely decarbonization, that is, in fact, largely irrelevant to climate change, while imposing great and pointless pain."
- "Indeed, rapid CO₂ emission reductions in the UK will have a negligible impact on global warming"
- "... proposed policies are harmful regardless of what one believes about the nature of climate change. My point is that this is doubly true if the underlying premise concerning the role of greenhouse gases is wrong."

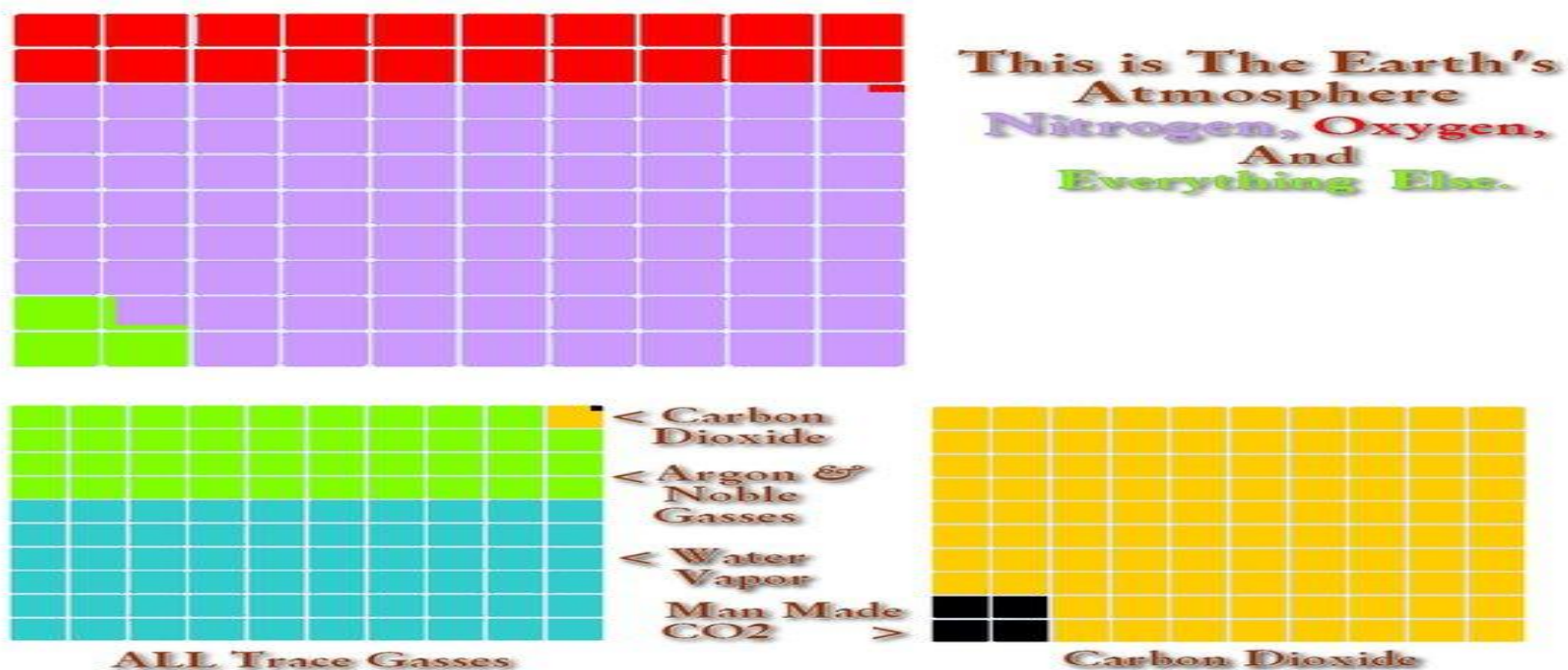
Reference: Dr. R Lindzen <https://wattsupwiththat.com/2022/12/04/mit-climate-scientist-dr-richard-lindzen-rejects-climate-change-as-a-quasi-religious-movement-predicated-on-an-absurd-scientific-narrative/>

There are significant challenges for Canada to achieve net zero in a reasonable time.
https://youtu.be/nLm1_a_JF6Q?si=lvLFVFIhnql4IYSI

Is Global Warming caused by increased CO₂?

CO₂ takes up a very small 0.04% proportion of the Earth's total atmospheric gas

- Greenhouse gas takes up 0.8% of total atmospheric gases; CO₂ represents 5% of greenhouse gas
- Therefore, CO₂ represents only 0.04% of the total atmospheric gases
- 0.04% equates to 4 bathtubs volume compared to an Olympic pool's 10,000 bathtubs of water
- All **greenhouse gases** (5% CO₂) **keep the world warm**, absorbing heat and radiating it back to Earth, warming the surface and atmosphere. Humans could not exist on Earth without this warming effect



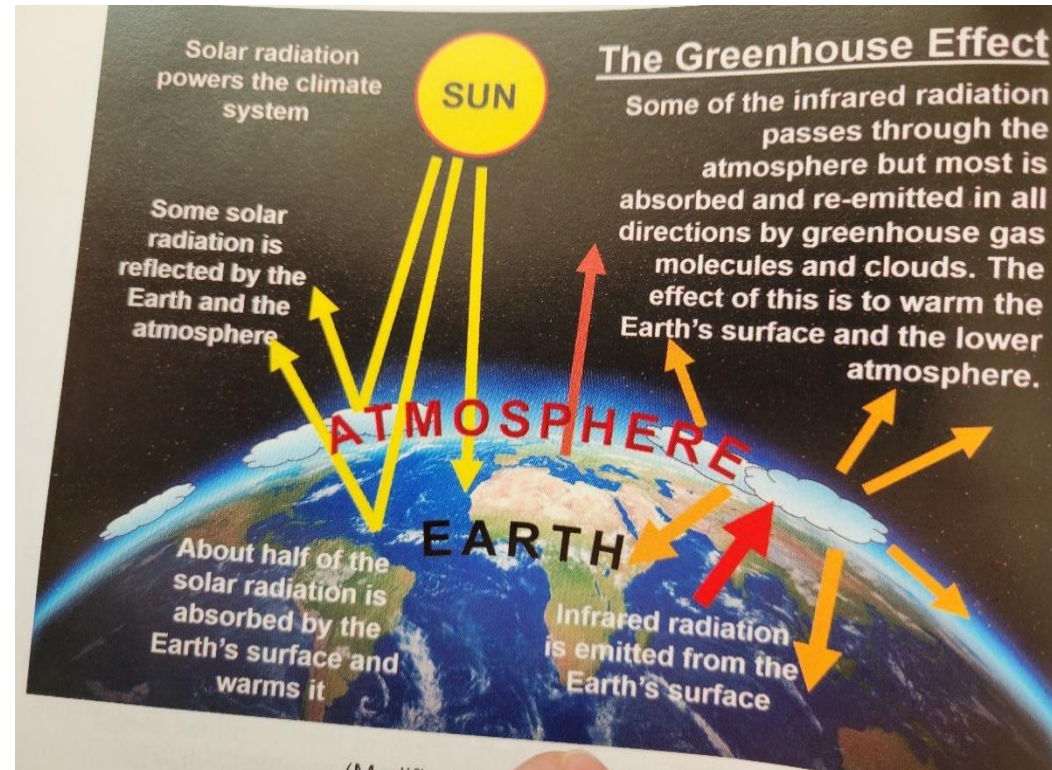
How much CO₂ is TOO Much?

Is Global Warming caused by increased CO₂?

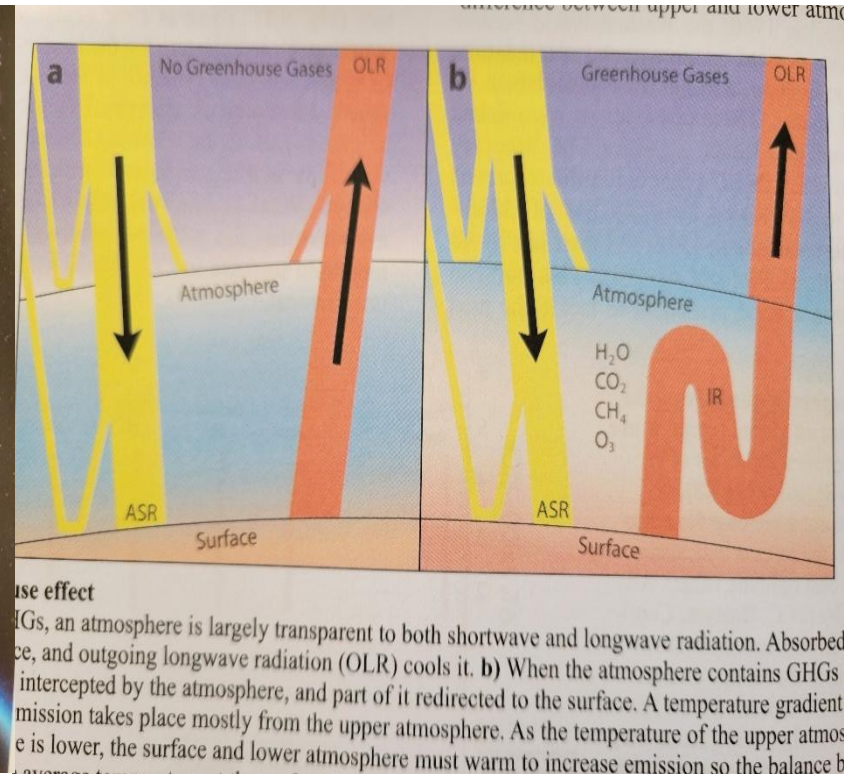
The Sun's radiation energy, the Greenhouse Gas effect and the warming from CO₂*

- 30% of the Sun's radiation is reflected by clouds and 70% passes through the Earth's atmosphere and strikes the surface.
- **Greenhouse gas** molecules, including CO₂, absorb some of this re-emitted energy and **emit** energy in the form of **heat**.
- **With added CO₂**, the absorption sensitivity of CO₂ **reduces logarithmic** (twice as much CO₂ is needed for same impact)
- This effect is similar to a sponge that initially absorbs a lot of water; this reduces as the sponge becomes saturated*

The Greenhouse Effect



The Sun's Energy Radiation Path



Reference Books:

Is Global Warming caused by increased CO₂?

The heating capacity of CO₂ reduces logarithmically. Clouds are more important.

- Max Planck delineated the spectrum of radiation from warm bodies, showing that **the impact of doubling CO₂ from 400ppm to 800ppm is only 0.71C of warming**. Doubling again to 1600ppm adds 0.35C
- Dr. W. A. van Wijngaarden and William Happer demonstrate the **dominant role of clouds on Earth's climate**. Clouds have a large effect on radiative heat transfer from Earth's surface to space. **Greenhouse gases also affect heat transfer, but much less than clouds.**
- Doubling CO₂ concentrations only decreases radiation to space by about 1%. However, clouds cover more than half the planet and an increase in **low cloud cover of only 1% could largely compensate for the same doubling of CO₂**.

Planck Curve - Effect of CO₂ on the Earth's Heat Spectrum

Temperature Impact Decreases with Increased CO₂

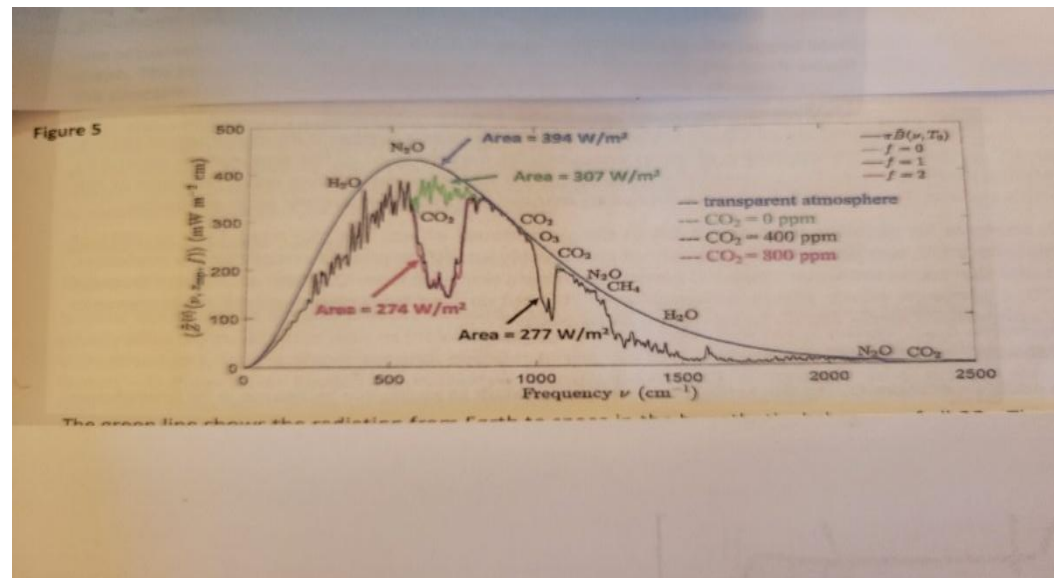


Figure I-3: Less global warming for each additional 50 parts-per-million-by-volume of CO₂ concentration



Reference: Climate All Is Well, All Will Be Well Jeremy Nieboer page 13

<https://wattsupwiththat.com/2023/09/29/professor-william-happer-ipa-lecture-the-crusade-against-carbon-dioxide-september-2023/>

<https://wattsupwiththat.com/2025/01/18/the-saturation-effect-questions-the-prevailing-narrative-on-co2/>

<https://co2coalition.org/publications/radiation-transport-in-clouds/> * dry sponge/wet sponge saturation effect

What about scientists' consensus regarding man-made Global Warming crisis?

The stated scientific crisis consensus is misleading; many reputable scientists disagree

There is consensus that temperatures have been and are increasing and that mankind has increased CO₂ levels. However, there is no consensus regarding the degree to which mankind's CO₂ emissions are impacting temperatures or that this is causing a climate crisis.

A large and increasing number of world-renowned scientists speak out against this, including:

Dr. John Christy, Professor of Atmospheric Science, Director of Earth System Science Center, U. of Alabama

Dr. John F. Clauser has degrees from Caltech and Columbia University, a Nobel Prize winner in science

Dr. Judith Curry, climatologist, former chair of Earth and Atmospheric Sciences, Georgia Institute of Technology

Dr. Ivar Giaever, professor emeritus at the Rensselaer Polytechnic Institute, Nobel Prize in Physics

Dr. William Happer, Physics professor Emeritus, Princeton Univ., atomic physics, optics, spectroscopy

Dr. Steven Koonin, theoretical physicist and former director Center for Urban Science at New York Univ.

Dr. Richard Lindzen, MIT atmospheric physicist, on the dynamics of the atmosphere and ozone photochemistry

Dr. Patrick Moore, ecologist, UBC, co-founder of Greenpeace

Dr S. Fred Singer, Atmospheric physicist, professor emeritus of environmental science, U. of Virginia

2000+ Scientists sign **World Climate Declaration: THERE IS NO CLIMATE EMERGENCY** stating: i) natural as well as anthropogenic factors cause warming; ii) warming is far slower than predicted; iii) climate policy relies on inadequate models; iv) CO₂ is plant food, the basis of all life on Earth; v) Global warming has not increased natural disasters; vi)

Climate policy must respect scientific and economic realities <https://clintel.org/wp-content/uploads/2023/11/WCD-version-111523.pdf>

Many governments are also moving away from or delaying the implementation

What about scientists' consensus regarding man-made Global Warming crisis?

The stated scientific crisis consensus is misleading; the CO2 Coalition of scientists disagrees

A key player here is the [CO2 Coalition](#), which includes scientists and researchers from across the globe devoted to educating the public and policymakers about the *benefits* of CO2. Not only is the naturally occurring substance not a pollutant, but it's in fact the great elixir of life on Earth.

The coalition has a long and copious list of ["facts and data"](#) highlighting the benefits of CO2 that do not fit in with the narrative of centralized planners in Washington.

The regulatory attack on CO2 is essentially an attack on humanity itself. Dr. William Happer, a retired Princeton University physicist and founder of the CO2 Coalition, explains why.

"Carbon dioxide is at the basis of life on Earth," Happer said in an [interview](#) with Freedom Research. "We live because plants are able to chemically transform carbon dioxide and water into sugar and a byproduct is the oxygen that we breathe, and so we should all be very grateful that we have carbon dioxide."

"Life would die without carbon dioxide," he explained.

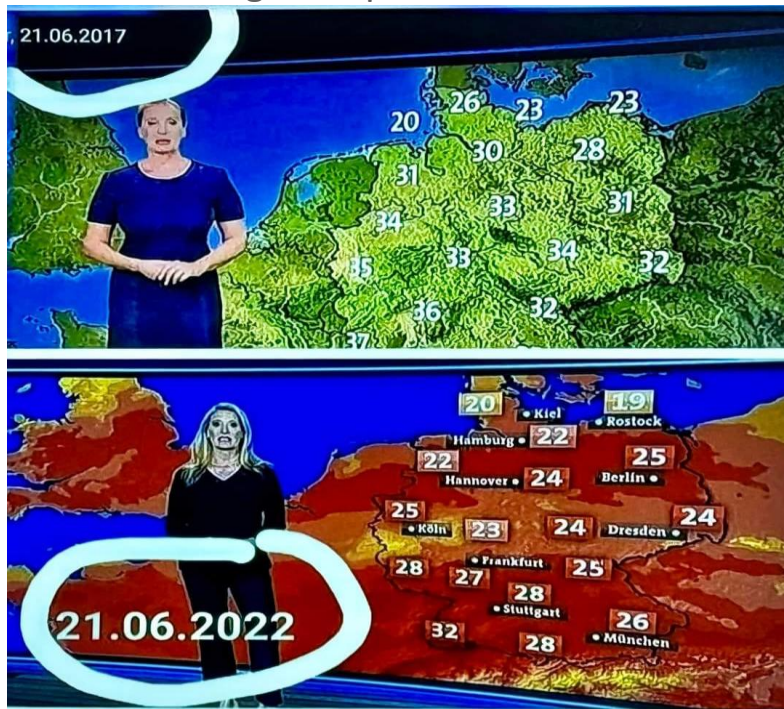
Happer and other members of the CO2 Coalition view the recent warming trend as a [natural response](#) to the planet's emergence from the Little Ice Age beginning in the 1800s. Overturning the Endangerment Finding is a matter of sound science.

- <https://dailycaller.com/2025/04/27/opinion-trump-makes-america-independent-from-the-climate-grift-kevin-mooney/>
- <https://principia-scientific.com/46-climate-change-denying-statements-made-by-former-ipcc-scientists/>

Are warmer temperatures and higher CO₂ levels causing a climate crisis?

The impact of media bias in reporting can be very misleading

- These graphs have similar data from different years gathered from the Government weather stations
- These German temperatures are similar, but the media message signaling is slanted and different.
- The time magazine pictures also show similar biased, sensationalized reporting, overdramatizing reality.



Reference graph from Germany Met.

Global Cooling



Global Warming



[Bjorn Lomborg on X: "UN routinely warns us that we have just a few years left until catastrophe: In 1982, Tolba, head of UN Environment Programme told the world that it had just 18 years before an environmental catastrophe as irreversible as any nuclear holocaust <https://t.co/8wyP10fJOn> <https://t.co/zDYD8ldJo5> / X \(twitter.com\)](#)

What are the negative implications of pursuing a carbon-neutral policy?

Reducing fossil fuel usage would negatively impact third-world economy Vijay Jayaraj

Access to fossil fuel energy will greatly help 3rd world economies and lifestyles.

In the developing world, climate activism movements, often bankrolled by foreign non-governmental organizations (NGOs), have stalled critical projects across continents. These efforts ignore the human toll of energy poverty: children studying by candlelight, hospitals without power, and economies stunted by unreliable grids.

First, the developing nations should investigate the funding and motives behind climate activism. Who bankrolls these NGOs? Are their campaigns aligned with national interests, or do they serve foreign agendas?

Greenpeace International, for example, has undertaken protests of power generated by fossil fuels and nuclear reactors and of coal and aluminum mining across India, while half of India suffers from unreliable electricity supplies.

Greenpeace leadership enjoys the comfort of an industrial economy but is asking poor people in the Third World to forgo energy abundance and rely instead on useless wind turbines and solar panels and accept generational poverty for the sake of addressing a fabricated climate emergency.

What are the negative implications of pursuing a carbon-neutral policy?

Reducing fossil fuel usage would negatively impact third-world economy Vijay Jayaraj

Access to fossil fuel energy will greatly help 3rd world economies and lifestyles.

Africa, home to over 600 million people with limited access to electricity, stands at the frontline of energy deprivation. Nigeria, Angola, and Mozambique have vast natural gas reserves, yet face continual opposition from international lobbies.

In the Democratic Republic of Congo, one of the world's poorest countries, the non-profit 350Africa.org coordinated demonstrations against oil and gas exploration, mobilizing hundreds of groups. In Uganda and Tanzania, the \$3.5 billion East African Crude Oil Pipeline (EACOP), a lifeline for regional energy, has faced relentless opposition from groups like StopEACOP.

Second, governments must assert authority over energy policy, curbing local states or municipalities that align with crusades against fossil fuels. Many cities across the developing world have designated themselves as Net-Zero entities under an initiative of the World Economic Forum.

It is exasperating to see cities, still struggling to provide basic services for the health and safety of their citizens, are willing to prioritize foolish opposition to rational energy development. It is even more weird that municipal leaders would align with foreign organizations like the World Economic Forum and the United Nations in opposition to their own national interests.

What are the negative implications of pursuing a carbon-neutral policy?

Reducing fossil fuel usage would negatively impact third-world economy [Vijay Jayaraj](#)

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Third, legal mechanisms should be used to deter frivolous lawsuits and protests.

African nations rich in energy resources could adopt statutes penalizing activism that delays critical infrastructure without evidence of harm, mirroring the U.S. Attorney General's mandate to challenge unconstitutional state and local laws. Such measures would shift the burden onto activists to justify their claims, rather than paralyzing projects by default.

Energy security is national security, and no ideology should usurp that. From Nigeria's oil fields to India's coal mines, national leaders must dismantle efforts to stymie sensible energy use and clear a path for energy abundance and the eradication of poverty.

This commentary was first published at [Townhall](#) on April 22, 2025. [Vijay Jayaraj](#) is a Science and Research Associate at the [CO₂ Coalition](#), Arlington, Virginia. He holds an M.S. in environmental sciences from the University of East Anglia and a postgraduate degree in energy management from Robert Gordon University, both in the U.K., and a bachelor's in engineering from Anna University, India.

What are the negative implications of pursuing a Carbon Neutral policy?

The cost of going "Carbon Neutral is significant: Recent Country actions

USA

[In his first 200 days, Trump has overturned Biden climate agenda at breakneck speed, report shows | Just The News](https://lists.theepochtimes.com/links/lnGtCLkk1/HhryKHE6n/wjB2oNb9veRV/5MSanGiq2F)

<https://lists.theepochtimes.com/links/lnGtCLkk1/HhryKHE6n/wjB2oNb9veRV/5MSanGiq2F>

[The Science and Environmental Policy Project \(SEPP\)](#)

[The Tide is Turning Decisively Against Net Zero](#) <https://youtu.be/xaPrKzIkWrQ>

[Bill Gates changes views on the seriousness of Climate Change](#) [Prediction of Climate Catastrophe Loses Some of Its Strongest ...](#)

A nuclear energy resurgence is underway. Nuclear plants that were shut down are being restarted. Dozens of small reactors are being deployed. Published in [MasterResource](#) November 20, 2025.

EU

The delusional EU believes it can wield carbon tariffs as weapons. <https://tilakdoshi.substack.com/p/europes-days-of-carbon-colonialism> Trump's UN speech Sept 23, 2025 <https://www.facebook.com/share/r/1CjCaLJuja/?mibextid=wwXlfr>

[More from Trump's UN speech Sept 23, 2025](#) <https://www.facebook.com/share/r/1CjCaLJuja/?mibextid=wwXlfr>

[News about Sweden's Pension Disaster Rings Alarm Bells For ...](#) Sweden's 'new green industrial revolution' is faltering

Japan

In August 2025, Mitsubishi Corporation was preparing to withdraw from three Japanese offshore wind projects off the coasts of Chiba and Akita.

[American-Japanese Pact Signals Ascent of Energy Realism](#) [Read article here.](#): The U.S. and Japan are shedding the paralysis of irrational climate policies with a strategic pact covering rare-earth minerals, critical components for semiconductors and next-generation nuclear reactors. The agreement abandons more than a decade of energy uncertainty that was marked by unpredictable supply chains, unrealistic net-zero pledges and overreliance on unreliable wind and solar energy. This places energy and industrial strategy at the heart of protecting national sovereignty. The U.S.-Japan agreement also includes a multi-year deal valued at over \$100 million between Global Coal Sales Group and Tohoku Electric Power for American thermal coal.

[American-Japanese Pact Signals Ascent of Energy Realism - CO2 Coalition](#)

What are the negative implications of pursuing a Carbon Neutral policy?

The cost of going "Carbon Neutral is significant: Recent Country actions

Spain

April 28, 2025: Spain suffers a major electricity blackout, raising solar power concerns

Six days after press releases stated that Spain had briefly achieved 100% renewable power, with the major source of power coming from solar panels, Spain and Portugal suffered a major electricity blackout. demonstrating the need for reliable electricity, not solar power [Spain at risk of fresh net zero blackouts](#)

Germany

Germany's renewable energy transition has become a case study in policy failure, with costs spiralling. By 2020, Germany had spent [over €500 billion](#) on its green agenda, transforming it into one of the most expensive electricity markets in the world. [Household electricity prices](#) are now among the highest in Europe and the world. Energy-intensive industries, from chemical manufacturers to steel producers, are fleeing Germany. The move to renewable energy has contributed to Germany's [GDP shrinking in real terms and rapid de-industrialisation](#)

UK

[Reform UK will make 8 major policy changes](#)

[Britain warned of tight energy supplies this winter](#)

[News about Uk Conservative Party Position On Carbon Neutral Poli...](#)

[Kathryn Porter on the Lies of the Green Zealots](#)

[The Hill published my article](#) Britain's net-zero scheme is being derailed by opposition to solar and wind projects

[Tilak's Substack | Tilak Doshi | Substack](#) Households hit with higher bills in £1bn 'racket' that sees wind farms paid to turn off power | [The Independent](#)

<https://dieterhelm.co.uk/energy-climate/british-energy-policy-not-cheap-not-home-grown-and-not-secure/>

[The Coming UK Energy Disaster - Paul Burgess](#)

Italy

The Italian government has approved a ban on the installation of new ground-mounted solar panels on productive farmlands.

Global Warming and CO₂: The Science

Evaluation Results of Eleven Relevant Questions with research pages referenced

1) Is present Global Warming a crisis or a natural phenomenon?

Answer: Global Warming is a natural phenomenon

Present temperature changes are not different from historic temperature changes and the earth is now in one of the coldest periods in its history. There is nothing unusual in today's warming.

2) Are warmer temperatures and higher CO₂ levels causing a climate crisis?

Answer: No, warmer temperatures and CO₂ levels are not causing a climate crisis

Forest fires, hurricanes, tornadoes, heat waves, droughts and other weather-related concerns have not increased with recent higher CO₂ and temperature levels.

3) Are higher CO₂ levels and warmer temperatures good or bad?

Answer: Higher CO₂ and warmer temperatures are good for humans and plants

Plants and crops benefit and grow better with higher CO₂. Mankind has also done better under higher temperatures.

4) Are CO₂ atmosphere levels dangerously high or historically low?

Answer: CO₂ levels are at historically low levels when viewed over geologic time

CO₂ levels have been dropping over the last 150 million years to a recent low of 180 ppm; a further drop of only 30 ppm would have ended all plants and therefore all life on Earth. With mankind's added CO₂ emissions, today's CO₂ level rose to about 415 ppm, which is only 0.0417% of the total atmospheric gas. An optimum level for plants would be between 1,000 to 2,000 ppm, but for humans, serious physiological effects begin above 2,000 ppm.

Global Warming and CO₂: The Science

Evaluation Results of Eleven Relevant Questions with research pages referenced

5) What could have caused changes in CO₂ levels over geologic time?

Answer: Natural events have caused changes in CO₂ over geologic time

Cold oceans and plant life absorb CO₂ and concentrated carbon and CO₂ in limestone, coal, oil and gas deposits. Over geologic time, plate tectonics and volcanoes have added CO₂ at much higher amounts than recent mankind-induced CO₂ emissions and with no negative impact.

6) Is climate change mainly caused by mankind's emissions of CO₂?

Answer: Mankind has increased CO₂ levels, but this is not causing major climate change

Temperatures and climate changed dramatically and well before mankind's recently added CO₂ emissions. Rates of recent temperature increases, glacial retreats and sea level rise have not changed with recent increases in CO₂. During glaciation periods, CO₂ levels changed after temperature changed and therefore could not be causing these specific temperature increases. Oceans cool then absorb CO₂; oceans warm, then release CO₂. NASA states that climate change occurs because of changes in the Earth's solar orbit.

7) What is the impact of CO₂ on climate warming?

Answer: Additional CO₂ will have a very minimal future impact on temperature

Mankind added CO₂ has had an impact on temperatures but likely a minor impact overall. Major factors that impact weather and climate include Sun intensity (day and night, seasons), Sun spot activity, ocean currents, clouds, plate tectonics and volcanoes. As CO₂ concentration increases, CO₂ has less and less warming effect; adding more CO₂ has a logarithmically reduced impact.

Global Warming and CO₂: The Science

Evaluation Results of Eleven Relevant Questions with research pages referenced

8) Is sea level rise and rate of rise unusual and a major concern?

Answer: Sea level rise has not changed with higher CO₂, isn't unusual and is manageable

Sea levels have changed significantly over the Earth's entire history. Since the last glacial period, the earlier rapid rate of sea level rise has recently reduced as the majority of land ice has already melted. Societies can adapt to the present rate of sea level rise (about 20 cm per 100 years) by implementing managed retreats, accommodating coastal change and protection with sea walls, dune rehabilitation and beach nourishment. There is no evidence that reducing our CO₂ emissions will reduce sea level rise or materially impact temperature.

9) What about scientists' consensus regarding man-made Global Warming crisis?

Answer: The stated scientific consensus is false; many reputable scientists disagree

There is consensus that temperatures have been and are increasing and that mankind has increased CO₂ levels. However, there is no consensus regarding the degree to which mankind's CO₂ emissions are impacting temperatures or that this is causing a climate crisis.

10) If CO₂ is good and the climate always changes, what about other fossil fuel pollutants and alternative energy adoption?

Answer: Focus on removing the actual pollutants at refinery levels, engine combustion process levels and at coal burning sites for electricity plants – pursue economic, realistic energy transition replacement options, like small nuclear reactors, over time

11) What are the negative implications of pursuing a carbon-neutral policy?

Answer: Overall energy supply, plant life, 3rd world economies and their ability to improve, animal life and the environment (land use, etc.) are all negatively impacted.

The data supporting these findings can be seen, by questions, on pages identified

<https://www.dropbox.com/scl/fi/zmdv7s2hwousomq52dvbg/Climate-Change-Complete-version.pdf?rlkey=o3lo8p1zluzqqli8aghcocm7v&st=nwe1g788&dl=0;>

Global Warming and CO₂

Scientific Videos Worth Watching

- 1) **Dr. William Happer** https://youtu.be/pHCCE-sw_Sc <https://youtu.be/PbIYr-KjOVY>
<https://wattsupwiththat.com/2023/09/29/professor-william-happer-ipa-lecture-the-crusade-against-carbon-dioxide-september-2023/>
[\(1106\) Elimination of CO₂ is a suicide pact – Professor William Happer on climate change misconceptions - YouTube](#)
- The world has historically had 4 to 10 times more CO₂ concentrations and is presently starved of CO₂.
- 2) **Gregory Wrightstone** <https://youtu.be/aT2SvIAkE5s>; The Climate Crisis Scam
- 3) **NASA Engineer** [\(1132\) NASA Engineer Tom Moser Reveals the Truth About Climate Science - YouTube](#)
- 4) **Dr. John Christy** Distinguished Professor of Atmospheric Science
[_11\) \(5124\) Data shows there's no climate catastrophe looming – climatologist Dr J Christy debunks the narrative – YouTube](#)
[John Christy: The Climate Real Deal | Science Matters \(rclutz.com\)](#)
- Shows there is **no climate catastrophe** associated with added CO₂ and associated climate change
- 5) **Dr. R Lindzen** [170\) Climate Science: What Does it Say? | Dr. Richard Lindzen | EP 320 – YouTube](#)
- Rejects 'Climate Change' as a quasi-religious movement predicated on an **absurd scientific narrative**
- [\(2046\) This Well Known Effect Breaks the Climate Narrative - YouTube](#)
- [\(1106\) Dr Richard Lindzen exposes climate change as a politicised power play motivated by malice and profit - YouTube](#)
- 6) **Dr. Patrick Moore** [A Dearth of Carbon? – YouTube](#) PhD in Environment Co-founder Greenpeace
- Discussion on the **positive environmental impact of CO₂**, which is the fuel of plants and life
- 7) **Dr. Steven Koonin** <https://www.youtube.com/watch?v=YXvBdwmXT2c>
- There s no apocalypse climate crisis now or in the future
- 8) Slides from the presentation: **Endangerment Finding Endangers Our Fuels, Forests and Freedom** Gregory Wrightstone Aug 2025 [SPN For Distribution 2025 08 24 \(2\).pdf](#)

Global Warming and CO₂

David Attenborough's Climate Change 2007 predictions

[David Attenborough: 'Climate Change - Britain Under Threat' 14.01.2007](#)

Predictions for 2020 proven wrong; future forecasts in serious doubt

- 1) Glaciers all around the world are in recession: **Misleading** Glacial retreat has been constant since 1825
- 2) CO₂ highest level in last 600,000 years: **Misleading** CO₂ decreasing over last 150 million years from 2000ppm to present level of 420ppm
- 3) CO₂ is a powerful Greenhouse Gas: **Misleading** CO₂ only 5% of Greenhouse Gas; Ice core data shows that CO₂ increased after temperature increased
- 4) Temperatures have been rising since the Industrial Revolution: **Misleading** as temperatures have been rising at the same rate since last glaciation period and were significantly higher in the last 10,000 years
- 5) Computer models accurately predict future climate: **False**
- 6) By 2020 significantly more floods and Scotland have more prolonged rain, more droughts and heat waves in Southern Britain: **False** Britain weather records
- 7) By 2050 temperature rising by 2.5C and 2080 by 4C: **Highly unlikely** given present trends
- 8) By 2080 sea level up by 75cm or more with a serious flooding risk: **Highly unlikely** given the present trend of 20cm/100 years
- 9) Climate Change is the biggest single issue the human race now faces: **False**, scare-mongering

See the main presentation slides for support regarding rating these claims:

<https://www.dropbox.com/scl/fi/zmdv7s2hwousomq52dvbg/Climate-Change-Complete-version.pdf?rlkey=o3lo8p1zluzqvli8aghcocm7v&st=nwe1g788&dl=0;>

<https://www.telegraph.co.uk/news/2023/08/04/net-zeros-dam-has-burst-but-bbc-is-still-papering-over/>

Global Warming and CO₂

Reference Material

I invite you to look closer at the background reference information and analyses regarding these questions and my answers by viewing the following videos and reviewing the listed reference books.

<https://www.dropbox.com/scl/fi/zmdv7s2hwousomq52dvbg/Climate-Change-Complete-version.pdf?rlkey=o3lo8p1zluzqvli8aghcocm7v&st=nwe1g788&dl=0;>

137 Reference Videos – sorted by topic

i) Climate Change over time and causes of Climate Change

[Graeme Phipps Climate Change Presentation](#)

[Climate Greenland Ice Research – YouTube](#) 1000 years ago was 1.5 C warmer and 2.5C warmer 4000 years ago.

<http://youtu.be/KtjeNvTwYeU> Impact of global factors on climate (eg. Nina and El Nino effects)

[Henrik Svensmark & Nir Shaviv - How the sun regulates our climate](#)

<https://www.youtube.com/watch?v=ftaUJg-ojoo> Dr. Gregory Wrightstone

["Stripes Across My T-Shirt."](#) Current conditions are not unusual except in being abnormally chilly.

<https://wattsupwiththat.com/2023/10/06/nothing-to-sea-here-folks/>

<https://wattsupwiththat.com/2023/10/07/marcel-crok-speaks-in-the-danish-parliament/>

[Solar Influence on Weather and Climate | Dr. Brian ... Dr. Brian Tinsley](#)

[THE REAL CAUSE OF CLIMATE CHANGE – The Highwire with Del ...](#)

www.co2learningcenter.com CO2 Coalition Introductory Videos

[New Evidence We Are Entering An Ice Age Termination Event](#) Dr. Ben Miles

<https://youtu.be/agNX9a2vyQE?si=8dNFaujgOvYEYKGR> Ian Plimer Climate Change: The Facts

[Bing Videos](#) Exposing the Net Zero Agenda Paul Burgess

Climate The Movie <https://www.youtube.com/watch?v=A24fWmNA6IM>

<http://youtu.be/KtjeNvTwYeU> Causes of climate change

Importance of Sun on Climate [Willie Soon](#)

Milankovitch Cycles <https://www.youtube.com/embed/1Mj16tiUyl4>

[Feed | CO2 Coalition Discussion Group](#) Climate Change and Extreme Weather Events Jim Steele

[Bing Videos](#) Hunga Tunga satellite view Cause of climate change

<https://www.youtube.com/embed/1Mj16tiUyl4>

Water impact on global temperatures https://youtu.be/4swl8_4LfWc;

[Greatest Mysteries of Climate Change.](#)

137 Reference Videos – sorted by topic

ii) Claims of crisis due to CO₂-induced Climate Change

[Dr. Patrick Moore - Carbon and Climate Catastrophe – YouTube](#)

Dr. Willie Soon [video](#) Historic CO₂ levels put in context with today's levels

Dr. Patrick Moore <https://www.instagram.com/reel/DH6NkhCKHJo/?igsh=MXBsdTJ4cW53MDMoYw==>

[Data shows there's no climate catastrophe looming – ...](#) Dr. John Christy, Distinguished Professor of Atmospheric Science, shows there is no evidence of climate catastrophes, or catastrophic weather events associated with added CO₂ www.foreignpolicyjournal.com/2016/01/01/nobel-laureate-ivar-giaever-on-climate-change Discredits claim of Global Warming as a crisis;

[Dr. Judith Curry - Bing video](#) Dr Judith Curry Discussion on Climate Change, including IPCC findings, historic development

[There's no emergency" – dissident climatologist Dr Judith Curry on climate change - YouTube](#)

<https://financialpost.com/opinion/lawrence-solomon-finally-its-safe-for-the-whistleblowers-of-corrupted-climate-science-to-speak-out>

<https://www.youtube.com/watch?v=DYWrehjaMFO> Dr. Richard Lindzen exposes climate change as a politic, profit ized power play

[Elimination of CO₂ is a suicide pact – Professor William Happer on climate change misconceptions – YouTube](#)

[Judith Curry: "Relax, there is no climate emergency!" – YouTube](#)

<https://youtu.be/KhCKYvETYDc?si=GWclipwVGiYTreDv> Jordon Peterson interview with Dr. Richard Lindzen

[Will Happer: CO₂, the Gas of Life | Tom Nelson Pod #158](#)

Alex Epstein <https://youtu.be/HWqv6RH-3WE?si=jgUvTxoGpdSi7-E8> importance of abundant, inexpensive energy

https://www.youtube.com/live/Ydl_47G8nzK?si=ZyBjf2dZEtNPV4K6 "Panel: Climate Science: the use of consensus"

[Bing Videos](#); Lord Monckton Net Zero Emissions – The Costliest Error of Physics and Economics in history

<https://www.youtube.com/watch?v=QjQupZVS-3A> Glacial retreat

<https://www.youtube.com/watch?v=ZFHHOBiUrkg> Potential motivational control factors behind the move to Carbon Neutral

<https://www.theepochtimes.com/epochtv/nobel-laureate-john-clauser-there-is-no-climate-emergency-climate-models-miss-one-key-variable-5486017>

https://youtu.be/P_nH1BAfDhs?si=OVxNpHIBiUNkX2ot 97% consensus concerns

[It Is Easy Going Green](#) The value of added CO₂

https://youtu.be/oModxLDUcoc?si=gqgEgruSRWhBI_hq Net Zero is Dying Jacob Rees- Mogg

Are present CO₂ levels unusual? <https://www.instagram.com/reel/DQtkpoBjzAT/?igsh=MTg5NHfHMXV5dWF6ag==>

137 Reference Videos – sorted by topic

ii) Claims of crisis due to CO₂-induced Climate Change

The planet has been much warmer than it is now. Modern human civilisation has developed over just the past 10,000 years. The period has generally been one of low temperatures and relative global climate stability. Whistleblowers reveal false reporting by agencies

[\(5479\) Unsettled: Climate and Science | Dr. Steven Koonin | EP 323 – YouTube](#) Dr Jordan B Peterson and Dr. Steven Koonin discuss the IPCC reports – the research on climate change and how policymakers take summaries to justify their agenda, despite what reports say.

[\(97\) Climate Change: Separating Fact from Fear | Dr. Judith Curry | EP 329 - YouTube](#)

Interview with Dr Judith Curry and Dr. Jordan Peterson

<https://youtu.be/oYhCQv5tNsQ> The Great Global Warming Swindle BBC March 8, 2007

<https://youtu.be/pV7TZzD1N5Q> Washington Post "Global Heat Waves

Shows media misrepresentation in reporting recent climate extremes and disasters [\(1324\) The Inconvenient Truth About Climate Science — Steven Koonin – YouTube](#)

[Inconvenient Truth: 32 Climate Predictions Proven False | Facts Matter \(youtube.com\)](#)

<https://youtu.be/spKTb3wMmJM?si=N195b4ezUGO3u5Ni> Dr. Richard Lindzen on IPCC

[Inconvenient Facts: The Science That Al Gore Doesn't Want You to Know](#)

Interview with Matt Ridley UK Science <https://www.youtube.com/watch?v=LFPj8tNVLoQ>

[What's the Science Behind EPA's Proposed Rollback of Climate Regulations? | NTD](#) William Happer, Gregory Wrighstone

['Grossly exaggerated': Media gives 'little attention' to new ...](#) Interview with Dr Steven Koonin

Rising sea level and impact on small Islands video: <https://youtu.be/Yv83NJcmU7k>

Joe Rogan interview with Dr. William Happer and Dr Richard Lindzen https://www.youtube.com/watch?v=Zt32chvO_iY

Rogan's short clips <https://youtu.be/6bJsWeoNjmg> <https://youtu.be/zJng54iRhCM> <https://youtu.be/mdlGiBEBaQA> <https://youtu.be/fPWU23qzPSo> <https://youtu.be/uV61bIEEbzM> <https://youtu.be/lRWQ32FGX8o>

[Climate Change Myths Part 1: Polar Bears, Arctic Ice, and Food Shortages](#)

https://youtu.be/GctDsMw8N4Y?si=LwJTarZXSzw2oh_u3

<https://youtu.be/X-y3-QS72QY?si=wD-EWVCITeil48-n> Investment community does not see a threat from sea level rise

https://open.substack.com/pub/public/p/scientists-deliberately-misled-public?r=qfbf7&utm_campaign=post&utm_medium=web

137 Reference Videos – sorted by topic

iii) CO₂ impact on climate and the world

<https://wattsupwiththat.com/2023/09/29/professor-william-happer-ipa-lecture-the-crusade-against-carbon-dioxide-september-2023/>

The importance and impact of CO₂ Dr. William Happer

["CO₂ , The Gas of Life"-Dr. William Happer –YouTube](#) Scientific consensus questions

www.ronaldbarmby.ca Ron Barmby CO₂ and Global Warming: CO₂ Greenhouse gas impact on global warming

- [Videos of Dr. Patrick Moore - A Dearth of Carbon? –YouTube](#) The positive impact of CO₂

<https://youtu.be/BiKfWdXXfls> Dr. Freeman Dyson Stated views that increasing CO₂ is good

[\(855\) Net Zero 'Slavery' EXPOSED By Local Resident –YouTube](#)

<https://www.youtube.com/watch?v=LYHRngcYyB8> the importance of Energy John Constable

<https://youtu.be/JCt2MhOzWVE?si=StLeINo6uTMDXAo6> Information on ice age

<https://www.youtube.com/shorts/qL3dZ5Qimiw> Gregory Wrightstone CO₂ Coalition

Watch an overview of Mars including temperature information [here](#)

Australian debate <https://youtu.be/OlgHSqIA-6o?si=uldWZe2hp-pRZN9S/>

[Ocean Acidification True or False - Exploding the Myth](#) Paul Burgess

Details on wind farms <https://youtu.be/LklUVkMPI8g?si=pwaRoMahL7WnBHI6>

USA: moves away from carbon-neutral policy and related initiatives <https://youtu.be/FFgdSJEhx1Y?si=iHUgK1hdAmkpsKPI>

UK: Reform UK Party's position also moves away from carbon-neutral policy: <https://www.msn.com/en-gb/video/news/man-made-climate-change-is-garbage/vi-AA1z94Ta?ocid=msedgntp&pc=HCTS&cvid=cfa592b2dcaf468fb1500aed4da18925&ei=11>

Water impact on global temperatures https://youtu.be/4swl8_4LFWc;

[Bing Videos](#) ElectricCars The Good, The Bad, The Ugly

[The Magic Trick of Climate Science. Howard Hayden, Ph.D.](#)

<https://www.instagram.com/reel/DRZvEfsinRi/?igsh=bWV2bm1ubDFiYzlg>

137 Reference Videos – sorted by topic

iii) CO₂ impact on climate and the world

[NASA Engineer Tom Moser Reveals the Truth About Climate Science - YouTube](#)

https://youtu.be/pHCCE-sw_Sc <https://youtu.be/PblYr-KjOVY> CO₂ Professor William Happer

Shows additional CO₂, the main food for plants, is good for the world. The world has had 4 to 10 times more CO₂ concentrations and is presently starved of CO₂. Climate is changing all the time. There is very little evidence that mankind has made an impact on climate change.

[\(3812\) Why Has Global Warming Paused? – William Happer – YouTube](#)

Detailed scientific discussion on the nature of CO₂, and its impact on warming shows that model forecasts are not even close to being correct.

<https://youtu.be/M8iEEO2UIbA> William Happer

More CO₂ is a benefit, computer models predicting the impact of added CO₂ on warming are 2 to 3 times exaggerated. Climate has always been changing and the impact of added CO₂ is minimal.

[Unsettled: Climate and Science | Dr. Steven Koonin | EP 323 - YouTube](#)

_ Discusses Climate Science, energy systems and factors behind the climate emergency movement

[\(2046\) This Well Known Effect Breaks the Climate Narrative – YouTube](#) Richard Lindzen - CO₂ impact

[A Runaway Greenhouse Effect On Earth is Very Unlikely \(youtube.com\)](#)

[CO₂ and temperature, do they have a cause and effect relationship - Dr Javier Vinós \(youtube.com\)](#)

<https://youtu.be/tcyQS4uz4rc> Can CO₂ Even Drive Global Temperatures

<https://www.youtube.com/watch?v=RPNqYpT-P2M> Dr. Bjorn Lomborg on importance of energy

<https://www.youtube.com/live/MjAYuIRDvi4?si=GFTRg5ehKpTHcNgI> Dr. William Happer, CO₂ Coalition

• [How CO₂ Both Warms and Cools Our Atmosphere](#) <https://www.youtube.com/watch?v=8zu4bzcRwRo&t=464s>

• <https://www.instagram.com/reel/DQtkpoBjzAT/?igsh=MTg5NHfHMXV5dWF6ag==>

137 Reference Videos – sorted by topic

iv) Limitations on use of Climate Models

[Climate I: Is The Debate Over? –YouTube](#) Dr. Hadi Dowlatabadi (UBC) & Dr Richard Lindzen (MIT)

Discusses concerns and fallacy of predictions of future climate and related environmental impacts from computer models, plus concerns with NASA predictions

[John Christy: Climate models for politics?... "A bridge too far" –YouTube](#)

Demonstrates the serious problems with climate change models and IPCC forecasts

Limitations of wind farms <https://youtu.be/ogqVE6VFFtI?si=eGew3ldscgir1rKJ>

<https://www.youtube.com/watch?v=b50yv8l6l-g> Dr. Willie Soon Clearly demonstrates the serious problems with climate change models and IPCC forecasts plus discussed the solar radiation impact on climate

https://www.youtube.com/watch?v=hQt_I-RvGF4; Paul Linsay An Analysis of Climate Models He shows: Temperature effect of doubled CO₂ is “Zero”.

[The Great Green Hypocrisy: Why Fossil Fuels Are Still Indispensable | Watch](#)

<https://www.youtube.com/shorts/PZPZioH4wBk> Consensus versus scientific evidence

137 Reference Videos – sorted by topic

v) The CO₂ environmental movement's world impact

[Climate Science: What Does it Say? | Dr. Richard Lindzen | EP 320 – YouTube](#) Dr. Lindzen and Jordan Peterson

[This](#) presentation The Energy Transition Delusion: Inescapable Mineral Realities Mark Mills Rejects 'Climate Change' as a quasi-religious movement

[\(5084\) The Great Climate Con | Alex Epstein | #312 – YouTube Alex Epstein](#) Alex Epstein and Jordan Peterson

<https://www.youtube.com/watch?v=ZFHHOBiUrkg> What might be driving the Climate Crisis narrative

https://youtu.be/--QS_UyW2SY Jordan Peterson talk on negative implications of "group think" and global concerns regarding the supposed "Climate Crisis"

[\(855\) Net Zero 'Slavery' EXPOSED By Local Resident – YouTube](#)

[Doomberg - You Can't Have Heavy Industry With A Dumb Energy Policy](#)

[\(2233\) The Lowdown On Climate "Science" – YouTube](#) Shows the pressure for academics to conform

[Video: 2022 Nobel physics prize winner John Clauser rips climate idiocy, No 'climate crisis' and IPCC 'one of the worst sources of dangerous misinformation' • Watts Up With That?](#)

Michael Shellenberger talk: <https://www.youtube.com/watch?v=Ey7iWsDYnJ8>

the electricity grid, [This](#) is a little documentary on the issue.

UK Debate on Wind Farm cost <https://youtu.be/fd3xCfQ6RxE?si=APLUM6C3mkhgPPhg>

[THORIUM: World's CHEAPEST Energy! \[Science Unveiled\]](#) [This](#) presentation is an introduction to Thorium as a nuclear fuel.

[Why read The Unpopular Truth... – The Unpopular Truth](#) Problems with wind and solar power

[Kathryn Porter on the Lies of the Green Zealots](#)

[Talk Truth 10 28 25](#) Steve Gorman, Allan, Corri Hunsperger [The Paris Climate Agreement, Climatism is Crumbling](#)

137 Reference Videos – sorted by topic

v) The CO₂ environmental movement's world impact

[The Renewable Energy Reckoning: Challenges, Failures, and 2025 Policy Shifts](#)

[Shortened: Artistly.ai - Unlimited AI Images, Consistent Characters, Perfect AI Text](#)

[The Great Green Hypocrisy: Why Fossil Fuels Are Still Indispensable | Watch 48\)](#) Impact of global factors on climate

Small Nuclear Reactors are coming [Details here](#)

The truth about electric vehicles https://youtu.be/OEklh2PcSYE?si=zloFidQh-17kg7Z_

[The Top 7 Reasons Science is Broken](#) William M Briggs

<https://www.bing.com/videos/riverview/relatedvideo?q=kathryn+porter+energy+consultant&mid=E52B20559ABE385764DEE52B20559ABE385764DE&FORM=VIREK>

[Top resume Myths - insights from thousands of job applications](#)

[Goreham Full Testimony Senate Committee of the Illinois General Assembly](#)

<https://youtu.be/xaPrKzIkWrQ>

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60 Referenced Scientists, Professionals

- **Ron Barmby** Professional Engineer
- **Robert Bryce** reporter, author, filmmaker, and public speaker on energy, power, and politics
- **Paul Burgess** BSc, MSc, C. Eng
- **Dr H. Sterling Burnet** Director, Arthur Robinson Center Climate and Environmental Policy, editor of Environment & Climate News.
- **Dr. Byron Caplan** professor of economics George Mason University
- **Dr John Christy** professor of Atmospheric Science and Director Earth System Science Centre Univ. of Alabama
- **Roy Clark** retired engineer and climate researcher, Noble Prize for work on Climate Model Errors
- **Dr. John Clauser** [recipient of the 2022 Nobel Prize in Physics](#) ; degrees from Caltech and Columbia University.
- **Dr. John Constable** Cambridge, Renewable Energy Foundation
- **Dr. Judith Curry** climatologist and former chair of School of Earth and Atmospheric Sciences at the Georgia Institute of Technology.
- **Dr. Hadi Dowlatabad** (UBC) Canada Research Chair, Inst for Resources, Environment & Sustainability,
- **Dr Freeman Dyson** PhD math, physics, Institute for Advanced Study in Princeton.
- **Alex Epstein** philosopher and energy expert, creator of EnergyTalkingPoints.com and Center for Industrial Progress
- **Dr Ivan Giaever** engineer and physicist who shared the Nobel Prize in Physics
- **Tom Gallagher** MSc Geoscientist
- **Steven Goreham** scholar, researcher in energy/environmental policy, engineer and business executive
- **Ken Gregory** B.AppSc, professional engineer

60 Referenced Scientists, Professionals

- **Dr. William Happer** Professor Physics, Princeton University, specialized in atomic physics, optics, spectroscopy
- **Dr. Ole Humlum** Meteorologist, former Professor of Physical Geography at the University Centre in Svalbard, Norway, and Emeritus Professor of Physical Geography, University of Oslo, Norway.
- **Dr. Les Hatten** mathematician, geophysicist, computer scientist, career in weather prediction and climatology
- **Dr. Howard “Cork” Hayden** Prof. Emeritus of Physics, University of Connecticut, USA
- **Tony Heller** realclimatescience.com
- **Dr. Roger Higgs** geologist **Walt Johnston** geophysicist
- **Vijay Jayaraj** MS environmental sciences U of East Anglia and postgrad degree in energy management from . Robert Gordon University and a Bachelor’s in engineering from Anna University India
- **Dr. Steven Koonin** theoretical physicist, former director the Center for Urban Science and Progress at New York U
- **Lord Nigel Lawson** British politician, journalist who served Financial Secretary-Treasurer and Secretary of State Energy
- **Dr Richard Lindzen** (MIT) American atmospheric physicist atmosphere, atmospheric tides, and ozone photochemistry
- **Bjorn Lomborg** visiting fellow at the University of Stanford
- **Dr. Wallace Manheimer** – leading nuclear physicist
- **Dr. Euan Mearns** Geology Honorary Research Fellow at The University of Aberdeen
- **Mark Mills** Energy Expert and Senior Fellow Manhatan Institute
- **Lord Christopher Monckton** Cambridge graduate, journalist and political advisor
- **Patrick Moore** – ecologist UBC, co-founder of Greenpeace
- **Dr. Tom Moser** NASA Engineer
- **Jeremy Nieboer** Lawyer educated at Harrow School and Oxford
- **Dr. Roger Pielke Jr** Ph.D. in [political science](#), all from the [University of Colorado Boulder](#)
- **Ian Plimer** Geologist
- **Dr. Jordan Peterson** Psychologist

60 Referenced Scientists, Professionals

- **Kathryn Porter** an independent energy consultant, Master's degree in Physics and an MBA
- **Lord Matt Ridley** a science and environment writer, journalist and businessman
- **Dr. M.J. Sangster** Author of The Real Inconvenient Truth: It's Warming, but It's Not CO₂
- **Lars Schernikau and William Smith**
- **Michon Scott and Rebecca Lindsey** Paper of earth temperature history
- **Dr. Nir Shaviv** Professor at the Racah Institute of Physics of the Hebrew University of Jerusalem.
- **Michael Shellenberger** Environmentalist
- **Dr S. Fred Singer** Atmospheric physicist, emeritus professor of environmental science, U. of Virginia
- **Lawrence Solman** Executive director of Energy Probe an environmentalist group
- **Dr. Willie Soon** –Astrophysicist and geoscientist Center for Environmental Research and Earth Sciences
- **Jim Steele** Master's degree in ecology from San Francisco State University
- **Jerger Peder Steffensen**, Curator Nels Bohr Institute Department of Geophysics
- **Ronald Stein** Professional Engineer
- **Dr. Henrik Svensmark** Professor in the Division of Solar System Physics Danish National Space Institute I
- **Dr. Javier Vinos**, Researcher Howard Hughes Medical Institute, UK Medical Research Council, Spanish Scientific Research Council
- **Dr. Van Wijngaarden** is a professor in the Department of Physics and Astronomy at York University in Toronto
- **Anthony Watts** A former [television meteorologist](#) and current radio meteorologist
- **Dr. Mathew M. Wielicki** Earth Science Professor
- **Gregory Wrightstone** Geologist a Senior Fellow at the Cornwall Alliance, Executive Director CO₂ Coalition
- **Professor Antonino Zichichi** holder of Italy's, Knight Grand Cross of the Order of Merit of the Italian Republic

Research Findings

Biography of Graeme Phipps compiler of this presentation material

- A professional Geophysicist/Geologist and director of 2 oil and gas companies with over 50 years experience in the International oil and gas industry. Graeme has spent 21 years as director of various companies (11 different Boards, 7 public, with roles on Audit, Reserves, Compensation, Corporate Governance, EH&S and Special Committees plus being Chairman of one public company, plus the principal of Phipps and Associates – an oil and gas consulting firm). Graeme was President of CEP International/PetroKamchatka Plc./East Siberian Plc. (2007 – 2020). In 2005, Executive VP of PetroKazakhstan to become President and CEO which was successfully sold for \$4.2B in late 2005. Exploration and International VP for Petro-Canada (2001 -2002) and VP Corporate Planning and VP Canadian Division for Nexen (1994 -2001). Graeme spent his first 20 years (1974 -1994) with Esso Resources and Exxon in technical, operational and management roles.
- Oil and gas experience in the Western Canada Basin, the Beaufort Sea area, the Arctic Islands and off the East Coast in Canada, the Gulf of Mexico USA, Yemen, North Africa, Romania, China, Gambia, Australia, Malaysia, Indonesia, Nicaragua, UK North Sea, Kazakhstan, Russia.
- Consulting and advisory experience (2002 – present) as the principal of Phipps and Associates, an Oil and Gas Executive Management consulting company, plus 5 years experience in Corporate planning: three years as VP Corporate Planning and Business Development at Nexen and two years with Exxon in their NY head office.
- Presently a director Tundra Oil and Gas Ltd and Buried Hill Serdar Ltd. and recently a member of the Public Accounts Committee, Government of Jersey