

**The Week That Was: 2024 05-25 (May 25, 2024)**  
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**The Science and Environmental Policy Project**

**Quote of the Week:** *“I learned very early the difference between knowing the name of something and knowing something.”* — Richard P. Feynman

**Number of the Week:** +0.64 +/- 0.11

**THIS WEEK:**

**By Ken Haapala, President, Science and Environmental Policy Project (SEPP)**

**Scope:** Discussed are John Clauser’s zoom presentation to ICSF and CLINTEL. The assertions at a meeting of the CERES satellite team in 2023 are presented. An effort to keep the global discourse focused on science, not politics is presented. And a suggestion to the question: What Is The Most Pernicious Example Of "Misinformation" is proposed.

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**John Clauser:** In a zoom address to the Irish Climate Science Forum and CLINTEL, Nobel Laureate in physics John Clauser delivered the most devastating critique of the science used by the UN Intergovernmental Panel on Climate Change (IPCC) and its collaborators (his term) TWTW has seen. In the first eight and one-half minutes Clauser gives slides showing his conclusions. He then goes into the arithmetic used in various IPCC reports, principally the Sixth Assessment Report (AR6. 2023), to show that the conclusions the IPCC reaches are not justified by the evidence presented. There is no significant carbon dioxide-caused global warming. The claim is a hoax based on a pseudo-science, a fake science that has no meaning. It lacks strict adherence to the scientific method in which all physical evidence is analyzed.

Clauser received his Nobel jointly with Alain Aspect and Anton Zeilinger for their contributions to the foundations of quantum mechanics, particularly for experiments with entangled photons, establishing the violation of Bell inequalities and pioneering quantum information science. The field is highly mathematical, and it is clear that Clauser is not intimidated by the mathematics of global climate modeling nor impressed by it. TWTW attempts to accurately transcribe the text below from the slides shown with the emphasis as presented.

*“Part 1. Climate change is a myth - slide 1.*

*The IPCC and its collaborators have been taxed with computer modeling and observationally measuring two very important numbers – the Earth’s so-called power imbalance, and its power-balance feedback-stability strength. They have grossly botched both tasks, in turn, leading them to draw the wrong conclusion.*

*I assert that **the IPCC has not proven global warming!** On the contrary, observational data are fully consistent with no global warming. **Without global warming, there is no climate-change crisis!***

*Their computer modeling (GISS) of the climate is unable to simulate the Earth's surface temperature history, let alone predict its future.*

*Part 1. Climate change is a myth – slide 2.*

*Their computer modelling (GISS) is unable to simulate anywhere near the Earth's albedo (sunlight reflectivity). The computer simulated sunlight reflected power and associated power imbalance error are typically about fourteen times bigger than the claimed measured power imbalance and about twenty-five times bigger than the claimed measured power imbalance error range.*

*The IPCC's observational data are wildly self-inconsistent or are fully consistent with no global warming.*

*The IPCC's observational data claim an albedo for cloudy skies that is inconsistent with direct measurements by a factor of two. Alternatively, their data **significantly violated conservation of energy**.*

*Part 1. Climate change is a myth – slide 3.*

*Scientists performing the power-balance measurements admit that the available methodologies are incapable of measuring a net power imbalance with anywhere near the desired accuracy. This difficulty is due to the huge temporal and spatial fluctuations of the imbalance, along with gross under-sampling of the data.*

*The observational data they report are self-inconsistent and are visibly dishonestly fudged to claim warming. The fudged final reported values, herein highlighted and exposed, are an example of the proverbial proliferation of bad pennies.*

*NOAA's claims that there is an observed increase in extreme weather events are bogus. Their own published data disprove their own arguments. A 100-year history of extreme weather event frequency, plotted frontwards in time is virtually indistinguishable from the same historical data plotted backwards in time.*

*Part 1. Climate change is a myth – slide 4.*

*In Part II, I present the **cloud-thermostat feedback mechanism**. My new mechanism dominantly controls and stabilizes the Earth's climate and temperature. The IPCC has not previously considered this mechanism. The IPCC ignores cloud-cover variability.*

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*The IPCC's two sacred tasks – both botched*

- 1. The IPCC and its collaborators have been tasked with computer modeling and observationally measuring two very important quantities – the Earth's so-called power imbalance, and its power-balance feedback-stability strength.*

2. *The Earth's net power imbalance is its sunlight heating power (its power-IN) minus its two component of cooling power – reflected sunlight and reradiated infrared power (its power-OUT). [The Actual Definition Used for Global Warming – NOT Temperature]*
3. *Based on their claimed power imbalance and global-warming assertion, the IPCC and its collaborators assemble a house of cards argument that forebodes an impending climate change apocalypse/catastrophe.*
4. *Additionally, the IPCC and its contributors calculate the strength of naturally occurring feedback mechanism that presently stabilizes the Earth's temperature and climate.*
5. *They claim only marginal effectiveness for this mechanism, and correspondingly assert that there is a 'tipping point' whereafter further added greenhouse gasses catastrophically cause what amounts to a thermal runaway of the Earth's temperature.*
6. *The IPCC scapegoats atmospheric greenhouse gases as the cause of global warming, and further mandates that trillions of dollars must be spent to stop greenhouse gas release into the environment with a so-called 'zero-carbon' policy.*
7. *The IPCC also mandates multi-trillion dollar per year geoengineering projects including Solar Radiation Management Systems to stabilize the Earth's climate and CO<sub>2</sub> capture projects to reduce the atmospheric CO<sub>2</sub> levels.*
8. *I assert that the IPCC and its contributors have not proven global warming, whereupon their house of cards collapses.*
9. *My cloud thermostat mechanism's net feedback 'strength' (the IPCC's 2<sup>nd</sup> sacred task to estimate) is anywhere from -5.7 to -12.7 W/m<sup>2</sup>/K (depending on the assumed cloud albedo, (0.36 VS. 0.8), compared to the IPCC's botched best estimate for their mechanisms of -1.1 W/m<sup>2</sup>/K.*
10. ***Correspondingly, I confidently assert that the climate crisis is a colossal trillion-dollar hoax.***

***The IPCC's basic argument is a flawed house of cards:***

1. *The IPCC claims with great certainty that the Earth has a (proven) net power imbalance. It claims that there is more sunlight power incident on the Earth heating it, than there is lost power cooling it. The lost power has two forms: reflected sunlight and reradiated far infrared radiation.*
2. *More power IN than power OUT defined global warming! The IPCC claims a net warming power imbalance!*
3. *Global warming leads to climate change.*

4. *Climate change leads to an increased frequency of extreme weather events and other bad phenomena.*
5. *An increased frequency of extreme weather events leads to global apocalypse and climate crisis. NOAA claims to have observed an increase (Their claims are visibly bogus.).*
6. *The IPCC's claimed net warming power imbalance is claimed to be caused by an atmospheric buildup of greenhouse gasses, especially of CO2.*
7. *Trillions of dollars must therefore be spent to limit, prevent, and reverse the atmospheric buildup of greenhouse gasses.*
8. ***However, given that claimed net warming power imbalance is not proven, and there is actually no global warming, than there is no crisis, and the house of cards has collapsed.***
9. ***I assert that the IPCC's claimed net power imbalance is not proven, and that there is no crisis. The House of cards has indeed collapsed! The requested trillions of dollars are a waste."***

Clauser then goes into the arithmetic and shows that a “bad penny” continues to show up without justification from the analysis. To make their numbers work, the IPCC creates energy, the bad penny. It is important to note that the law for conservation of energy is one of the fundamental laws in physics. It is taught in high school physics, and even earlier in the form: Energy can be neither created or destroyed, but can be converted from one form to another. For the IPCC and its collaborators to produce work that is inconsistent with the law of conservation of energy is unacceptable.

Next week, TWTW will discuss Clauser's cloud-thermostat feedback mechanism. See link under Challenging the Orthodoxy.

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**CERES:** According to the NASA-CERES website:

*“Climate is controlled by the amount of sunlight absorbed by Earth and the amount of infrared energy emitted to space. These quantities—together with their difference—define Earth's radiation budget (ERB). The Clouds and the Earth's Radiant Energy System (CERES) project provides satellite-based observations of ERB and clouds. It uses measurements from CERES instruments flying on several satellites along with data from many other instruments to produce a comprehensive set of ERB data products for climate, weather, and applied science research.*

*The goals of the CERES project are to:*

- *Produce a long-term, integrated global climate data record for detecting decadal changes in the Earth's radiation budget from the surface to the top-of-atmosphere.*

- *Enable improved understanding of how Earth's radiation budget varies in time and space and the role that clouds and other atmospheric properties play.*
- *Support climate model evaluation and improvement through model-observation intercomparisons.*

*The CERES team has been collecting ERB data since 1997, when the first CERES instrument was launched aboard the Tropical Rainfall Measuring Mission (TRMM) satellite. Since then, CERES instruments have launched aboard the Terra, Aqua, Suomi National Polar-orbiting Partnership (S-NPP) and NOAA-20 satellites. The CERES instruments provide direct measurements of reflected solar radiation and emission of thermal infrared radiation to space across all wavelengths between the ultraviolet and far-infrared.*

*CERES measurements, together with measurements from higher-resolution imagers on polar orbiting and geostationary satellites, are used along with other input data sources to produce data products that describe the ERB at the top-of-atmosphere, within the atmosphere and at the surface. The CERES data products capture variations in ERB at hourly, daily, and monthly timescales and at spatial scales ranging from 20 km to global.*

*The CERES data are used by the climate, weather, and applied science research communities to address a range of research topics that involve the exchange of energy between the Earth and space and between the major components of the Earth system.*

***CERES is the only project worldwide whose prime objective is to produce global climate data records of ERB from instruments designed to observe the ERB.*** [Boldface in original]

John Clauser is critical of earlier work using Earth's radiation budget (ERB) and the Clouds and the Earth's Radiant Energy System (CERES) database. The calculations involve the difference between two huge numbers that vary both seasonally and over time. Thus, any calculations presented in reports must include the entire database. Use of a part of the database is misleading.

It appears that the CERES team headed by Norman Loeb is correcting past errors. As pointed out by Howard Hayden in the May 11 TWTW, at the CERES Science Team Meeting, May 7-9, 2023, Loeb presented graphics detailing the changing data including regional trends in Top Of Atmosphere radiation and Sea Surface Temperature from March 2000 to March 2023. (Sometimes shorter periods are used.) The conclusions are:

- *“CERES observations show a doubling in Earth's Energy Imbalance (EEI) during the CERES period.*
- *The EEI trend is primarily associated with an increase in absorbed solar radiation (ASR) partially offset by an increase in OLR. [SEPP clarification: Absorbed solar radiation is the amount of sunlight available minus the amount of sunlight reflected.]*
- *ASR and SST global and regional trends track one another.*  
*Large ASR trend **primarily driven by reductions in low and middle clouds.***  
*Ocean mixed layer heating (and SST) variations primarily associated with ocean heat fluxes as opposed to surface heat fluxes.*

- *Despite substantial variations in ASR and OLR trends for 'hiatus,' 'transition to El Niño,' and 'post-El Niño' periods, NET trends are nearly identical in all 3 periods (within 0.1 Wm-2 dec-1).*

***Implies rate of increase in planetary heat uptake is relatively insensitive to internal climate variability during CERES.*** [Boldface added]

In other words, during CERES the increasing greenhouse effect was insignificant even though according to NOAA data compiled at Mauna Loa show a CO2 concentration increased from 371 parts per million (ppm) in March 2000 to 418 ppm in March 2023. There is no climate crisis caused by carbon dioxide. There is a political crisis caused by the IPCC and its collaborators. See link under Challenging the Orthodoxy, <https://ceres.larc.nasa.gov/> and

<https://gml.noaa.gov/ccgg/trends/graph.html>

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**Science v. Activism:** Professor of Environmental Systems Analysis, Department of Geography, University of Cambridge, UK, Ulf Buentgen has an essay in Nature questioning the activities of climate scientists and their failure to distinguish between what is known (science) and their beliefs (activism). Buentgen begins [citations omitted here, boldface added]:

*"I am concerned by climate scientists becoming climate activists, because scholars should not have a priori interests in the outcome of their studies. Likewise, I am worried about activists who pretend to be scientists, as this can be a misleading form of instrumentalization.*

*Background and motivation*

*It comes as no surprise that the slow production of scientific knowledge by an ever-growing international and interdisciplinary community of climate change researchers is not feasible to track the accelerating pace of cultural, political, and economic perceptions of, and actions to the many threats anthropogenic global warming is likely to pose on natural and societal systems at different spatiotemporal scales. Recognition of a decoupling between 'normal' and 'post-normal' science is not new, with the latter often being described as a legitimation of the plurality of knowledge in policy debates that became a liberating insight for many. Characteristic for the yet unfolding phenomenon is an intermingling of science and policy, in which political decisions are believed to be without any alternative (because they are scientifically predefined) and large parts of the scientific community accept a subordinate role for society (because there is an apparent moral obligation).*

*Motivated by the continuous inability of an international agreement to reduce greenhouse gas emissions to tackle global warming, despite an alarming recent rise in surface temperatures and associated hydroclimatic extremes, I argue that quasi-religious belief in, rather than the understanding of the complex causes and consequences of climate and environmental changes undermines academic principles. **I recommend that climate science and climate activism should be separated conceptually and practically, and the latter should not be confused with science communication and public engagement.***

*Climate science and climate activism*

*While this Comment is not a critique of climate activism per se, I am foremost concerned by an increasing number of climate scientists becoming climate activists, because scholars should not*

*have a priori interests in the outcome of their studies. Like in any academic case, the quest for objectivity must also account for all aspects of global climate change research. While I have no problem with scholars taking public positions on climate issues, I see potential conflicts when scholars use information selectively or over-attribute problems to anthropogenic warming, and thus politicize climate and environmental change. Without self-critique and a diversity of viewpoints, scientists will ultimately harm the credibility of their research and possibly cause a wider public, political, and economic backlash.*

*Likewise, I am worried about activists who pretend to be scientists, as this can be a misleading form of instrumentalization. In fact, there is just a thin line between the use and misuse of scientific certainty and uncertainty, and there is evidence for strategic and selective communication of scientific information for climate action. **(Non-)specialist activists often adopt scientific arguments as a source of moral legitimation for their movements, which can be radical and destructive rather than rational and constructive. Unrestricted faith in scientific knowledge is, however, problematic because science is neither entitled to absolute truth nor ethical authority. The notion of science to be explanatory rather than exploratory is a naïve overestimation that can fuel the complex field of global climate change to become a dogmatic ersatz religion for the wider public. It is also utterly irrational if activists ask to ‘follow the science’ if there is no single direction.** Again, even a clear-cut case like anthropogenically-induced global climate change does not justify the deviation from long-lasting scientific standards, which have distinguished the academic world from socio-economic and political spheres.*

*The role of recent global warming*

*Moreover, I find it misleading when prominent organizations, such as the Intergovernmental Panel on Climate Change (IPCC) in its latest summary for policymakers, tend to overstate scientific understanding of the rate of recent anthropogenic warming relative to the range of past natural temperature variability over 2000 and even 125,000 years. The quality and quantity of available climate proxy records are merely too low to allow for a robust comparison of the observed annual temperature extremes in the 21st century against reconstructed long-term climate means of the Holocene and before. Like all science, climate science is tentative and fallible. This universal caveat emphasizes the need for more research to reliably contextualize anthropogenic warming and better understand the sensitivity of the Earth’s climate system at different spatiotemporal scales. Along these lines, I agree that the IPCC would benefit from a stronger involvement in economic research, and that its neutral reports should inform but not prescribe climate policy.”*

See links under Questioning the Orthodoxy.

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**Pernicious Myths:** Francis Menton of Manhattan Contrarian asks a great question: What Is The Most Pernicious Example Of "Misinformation" Currently Circulating? TWTW’s response is simple: Perhaps the vilest of many examples is that carbon dioxide, which is essential for photosynthesis, is a pollutant. Photosynthesis is the food source for all complex life on Earth. To oppose the increase of carbon dioxide is to oppose the flourishing of life on Earth. See link under Questioning Green Elsewhere.

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**DDP 2024:** The 42nd Annual Meeting of Doctors for Disaster Preparedness is scheduled for July 5-7, 2024, in El Paso, Texas. The speakers include a number of outstanding scientists such as John Clauser, the 2022 Nobel Laureate in Physics for contribution to the foundations of quantum mechanics, Stephen McIntyre and Ross McKittrick, recipients of the 2023 Fredrick Seitz award by SEPP for upholding integrity in using the scientific method, Willie Soon, Michael Connolly, and Ronan Connolly of the Center for Environmental Research & Earth Science (CERES) and Patrick Moore, former Greenpeace co-founder.

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**April Fools Award:** TWTW intends to announce the winner of the 2024 April Fools award at the July 5 meeting of the DDP. Please submit your nominee by June 30.

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**Number of the Week: +0.64 +/- 0.11.** This is John Clauser's Bad Penny that keeps reoccurring in the reports of the IPCC. It is completely made up – creating energy from human imagination or speculation. According to Clauser, Loeb *et al.* (2009, 2012) use ocean heat content data (OHC) to “adjust” Ramanathan (1987).

*“The 2003 US National Academy / National Research Council report ‘Understanding Climate Change Feedbacks (p.112)’ cites the Ramanathan (1987) data, and comments that ‘**The observations do not meet quality standards.**’ [Italics converted to Boldface]*

*Unfortunately, the Argo and XBT data have a woefully sparse area sampling and much worse accuracy than Loeb et al. claim. Data gaps are filled using fabricated data by Lyman and Johnson (2008) (Data fabrication is one of our scientific little no-no’s)”*

This results in a Top of Atmosphere net power imbalance of +0.64 +/- 0.11 Watts per square meter (a fabricated warming).

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## **NEWS YOU CAN USE:**

### ***Science: Is the Sun Rising?***

#### **How we know that the sun changes climate (II). The present**

By Javier Vinós, Climate Etc., May 17, 2024

<https://judithcurry.com/2024/05/17/how-we-know-that-the-sun-changes-climate-ii-the-present/#more-31234>

### ***Censorship***

#### **Big eSister is Watching and Taking Names**

By Sean Masters, Quadrant, May 22, 2024

<https://quadrant.org.au/opinion/free-speech/2024/05/big-esister-is-watching-and-taking-names/>  
[SEPP Comment: The Australian government is vilifying Elon Musk for not participating in its censorship scheme.]

### ***Challenging the Orthodoxy -- NIPCC***

#### **Climate Change Reconsidered II: Physical Science**

Idso, Carter, and Singer, Lead Authors/Editors, Nongovernmental International Panel on Climate Change (NIPCC), 2013



<https://www.heartland.org/media-library/pdfs/CCR-II/CCR-II-Full.pdf>

Summary: [https://www.heartland.org/\\_template-assets/documents/CCR/CCR-II/Summary-for-Policymakers.pdf](https://www.heartland.org/_template-assets/documents/CCR/CCR-II/Summary-for-Policymakers.pdf)

### **Climate Change Reconsidered II: Biological Impacts**

Idso, Idso, Carter, and Singer, Lead Authors/Editors, Nongovernmental International Panel on Climate Change (NIPCC), 2014

<http://climatechangereconsidered.org/climate-change-reconsidered-ii-biological-impacts/>

### **Climate Change Reconsidered II: Fossil Fuels**

By Multiple Authors, Bezdek, Idso, Legates, and Singer eds., Nongovernmental International Panel on Climate Change, April 2019

<http://climatechangereconsidered.org/climate-change-reconsidered-ii-fossil-fuels/>

### **Why Scientists Disagree About Global Warming**

The NIPCC Report on the Scientific Consensus

By Craig D. Idso, Robert M. Carter, and S. Fred Singer, Nongovernmental International Panel on Climate Change (NIPCC), Nov 23, 2015

<http://climatechangereconsidered.org/why-scientists-disagree-about-global-warming/>

### **Nature, Not Human Activity, Rules the Climate**

S. Fred Singer, Editor, NIPCC, 2008

[http://www.sepp.org/publications/nipcc\\_final.pdf](http://www.sepp.org/publications/nipcc_final.pdf)

### ***Challenging the Orthodoxy – Radiation Transfer***

#### **The Role of Greenhouse Gases in Energy Transfer in the Earth's Atmosphere**

By W.A. van Wijngaarden and W. Happer, Preprint, Mar 3, 2023

<https://co2coalition.org/wp-content/uploads/2023/11/The-Role-of-Greenhouse-Gases-in-Energy-Transfer-in-the-Earths-Atmosphere.pdf>

### ***Challenging the Orthodoxy***

#### **The cloud thermostat is the dominant climate controlling mechanism**

Video by Nobel Laureate John F Clauser, Irish Climate Science Forum & Climate Intelligence, May 8, 2024

<https://www.youtube.com/watch?v=zpcqzZliEag>

### **Observational Assessment of Changes in Earth's Energy Imbalance Since 2000**

By Norman G. Loeb, CERES Science Team Meeting, May 7-9, 2023

[https://ceres.larc.nasa.gov/documents/STM/2023-05/15\\_Loeb\\_Contributed\\_Science\\_Presentation\\_2023.pdf](https://ceres.larc.nasa.gov/documents/STM/2023-05/15_Loeb_Contributed_Science_Presentation_2023.pdf)

Slides

### **'NO Climate Crisis' Says Coalition of 1,600 Actual Scientists**

The United Nations' Intergovernmental Panel on Climate Change is 'one of the worst sources of dangerous misinformation'

By Katy Grimes, California Globe, May 13, 2024

<https://californiaglobe.com/articles/no-climate-crisis-says-coalition-of-1600-actual-scientists/>

### **New Study Finds An Extremely Low CO2 Climate Sensitivity For The Arctic And Antarctic**

By Kenneth Richard, No Tricks Zone, May 16, 2024

<https://notrickszone.com/2024/05/16/new-study-finds-an-extremely-low-co2-climate-sensitivity-for-the-arctic-and-antarctic/>

Link to paper: **Infrared Radiative Effects of Increasing CO2 and CH4 on the Atmosphere in Antarctica Compared to the Arctic**

By Justus Notholt, et al., Geophysical Research Letters, Jan 19, 2024

<https://agupubs.onlinelibrary.wiley.com/doi/pdf/10.1029/2023GL105600>

*[SEPP Comment: Doubling of CO2 and CH4 in both areas cause little change in temperatures in any direction.]*

### **How El Nino La Nina And The Sun Drive Climate Change!**

By Jim Steele, WUWT, May 20, 2024

<https://wattsupwiththat.com/2024/05/20/how-el-nino-la-nina-and-the-sun-drive-climate-change/>

### **Climate Ideology Ignores Science, Threatens Humanity**

By Lee Gerhard, Cornwall Alliance, May 15, 2024

<https://cornwallalliance.org/2024/05/climate-ideology-ignores-science-threatens-humanity/>

Minuscule recent warming, whatever the cause, is inconsequential noise in light of the long record of data found in Antarctica ice cores that go back 800,000 years. The bottom line is that Earth is colder by nearly 3 degrees Celsius than it was 3,000 years ago and is just now climbing out of its longest cold spell of the last 10,000 years.

### **ClimateMovie Fact Check: CO2 lags temperature**

By John Robson, Climate Discussion Nexus, May 15, 2024

<https://climatediscussionnexus.com/2024/05/15/climate-movie-fact-check-co2-lags-temperature/>

### **ClimateMovie Fact Check: The satellite records**

By John Robson, Climate Discussion Nexus, May 22, 2024

<https://climatediscussionnexus.com/2024/05/22/climate-movie-fact-check-the-satellite-records/>

### ***Defending the Orthodoxy***

#### **The War on Food**

By Duggan Flanakin, Cornwall Alliance, May 17, 2024

<https://cornwallalliance.org/2024/05/the-war-on-food/>

“...United Nations Secretary-General Antonio Guterres warned that ‘climate and conflict are two leading drivers of [our] global food crisis.’ UN climate chief Simon Stiell chimed in that, ‘Rapid, sustained action to cut greenhouse gas emissions and to increase resilience is needed now to help stop [chronic hunger] from spiraling out of control.’”

### **DDP 2024 Annual Meeting**

42nd Annual Meeting of Doctors for Disaster Preparedness, July 5-7, 2024

<https://www.ddponline.org/2024/04/24/ddp-2024-annual-meeting/>

### ***Defending the Orthodoxy – Bandwagon Science***

#### **Modeling Study Finds the Blatantly Obvious: More Fuel Might Burn More**

By Charles Rotter, WUWT, May 20, 2024

<https://wattsupwiththat.com/2024/05/20/modeling-study-finds-the-blatantly-obvious-more-fuel-might-burn-more/>

Link to “study”: Enhanced future vegetation growth with elevated carbon dioxide concentrations could increase fire activity

By Robert J. Allen,,James Gomez, Larry W. Horowitz & Elena Shevliakova , Nature, Communications, Earth & Environment, Jan 27, 2024

<https://www.nature.com/articles/s43247-024-01228-7>

*[SEPP Comment: Meaningless statistical precision (“the multi-model mean percent change in fire carbon emissions is  $66.4 \pm 38.8\%$ ”). The first two authors are with Department of Earth and Planetary Sciences, University of California Riverside, the other two authors are with NOAA/OAR Geophysical Fluid Dynamics Laboratory, Princeton, NJ]*

#### **Oh that CO2**

By John Robson, Climate Discussion Nexus, May 22, 2024

<https://climatediscussionnexus.com/2024/05/22/oh-that-co2/>

### ***Questioning the Orthodoxy***

#### **Recent past a poor guide to climate future**

By David Whitehouse, Net Zero Watch, May 17, 2024

<https://www.netzerowatch.com/all-news/recent-past-a-poor-guide-to-climate-future>

Link to paper: **A single-photon lidar observes atmospheric clouds at decimeter scales: resolving droplet activation within cloud base**

By Fan Yang, et al., Nature Climate and Atmospheric Science, Apr 20, 2024

<https://www.nature.com/articles/s41612-024-00644-y>

#### **The counterfactual world of climate attribution**

By David Whitehouse, Net Zero Watch, May 22, 2024

<https://www.netzerowatch.com/all-news/attribution>

Whatever happens to hurricanes this season, attribution science will have an explanation, and to prove it’s a science to be taken seriously it will also attribute an index to it.

#### **The Battle of The climate Hypotheses: The Green-House Gas Forcer vs. The Winter Gatekeeper Round 1.**

By Gabriel Oxenstierna, WUWT, May 21, 2024

<https://wattsupwiththat.com/2024/05/21/the-battle-of-the-climate-hypotheses-the-green-house-gas-forcer-vs-the-winter-gatekeeper-round-1/>

#### **Twelve Reasons Why I Don’t Believe There’s a Climate Emergency**

By Russell David, The Daily Sceptic, May 18, 2024 [H/t Ron Clutz]

<https://dailysceptic.org/2024/05/18/twelve-reasons-why-i-dont-believe-theres-a-climate-emergency/>

#### **Scientist Or Activist? With Climate, It’s Often Hard To Tell The Difference**

I & I Editorial Board, May 14, 2024

<https://issuesinsights.com/2024/05/14/scientist-or-activist-with-climate-its-often-hard-to-tell-the-difference/>

Link to paper: **The importance of distinguishing climate science from climate activism**

By Ulf Büntgen, Nature, Climate Action, May 8, 2024

<https://www.nature.com/articles/s44168-024-00126-0>

I & I Editors: “Scientists who double as activists are not doing anyone any favors. They muddle topics and put themselves into positions they’re unable to retreat from when subsequent science casts doubt on the findings they cling to or just flat out shows they were in error. (For a very recent case of this, just look at the poor and often deceptive science behind the global COVID lockdowns, vaccines, masking and school closures).

It’s sad but true that in 2024 the skeptics and dissenters have a better track record than the practitioners of ‘the science,’ and not just in questions of climate.”

### **Using Nets On The Seafloor To Retrieve Seafood ‘Roughly The Same As Running 100 Coal-Fired Plants’**

By Kenneth Richard, No Tricks Zone, May 13, 2024

<https://notrickszone.com/2024/05/13/using-nets-on-the-seafloor-to-retrieve-seafood-roughly-the-same-as-running-100-coal-fired-plants/>

Link to press release: **Bottom Trawling Shreds the Seafloor. It May Also Be a Huge Source of Carbon Emissions.**

Dragging nets along the ocean bed wrecks marine life, but researchers can’t agree on how bad it is for the climate.

By Max Graham, Grist, Via EOS, Jan 24, 2024

<https://eos.org/articles/bottom-trawling-shreds-the-seafloor-it-may-also-be-a-huge-source-of-carbon-emissions>

“Grist is a nonprofit, independent media organization dedicated to telling stories of climate solutions and a just future.”

Link to paper: **Atmospheric CO<sub>2</sub> emissions and ocean acidification from bottom-trawling**

By Trisha B. Atwood, et al. (including Gavin Schmidt and two others from NASA-GISS), Frontiers in Marine Science, Jan 18, 2024

<https://www.frontiersin.org/articles/10.3389/fmars.2023.1125137/full>

*[SEPP Comment: Primary production regions of the oceans are the result of ocean upwellings, bringing nutrients including CO<sub>2</sub>, and organisms from the deep. Now that’s called ocean acidification?]*

### **Extremist rhetoric**

By John Robson, Climate Discussion Nexus, May 22, 2024

<https://climatediscussionnexus.com/2024/05/22/extremist-rhetoric/>

Link to study: **Insights into the impact of extreme weather trends in Canada on homeowners insurance profitability and consumers**

By Marisa McGillivray, Statistics Canada, May 15, 2024

<https://www150.statcan.gc.ca/n1/pub/11-621-m/11-621-m2024003-eng.htm>

“One line in the StatCan study that triggered the CBC story that didn’t catch the eye of journalists is that in the latest “Annual Risk Outlook” from Canada’s Office of the Superintendent of Financial Institutions:

‘climate risk is mentioned as one of several key financial system risks. Companies face not only physical risks from weather events, **but additional risks as Canada transitions to a low-carbon economy, a shift that could worsen traditional risks such as credit, market, insurance and operations.**’ [Boldface added]

In short, the ‘energy transition’ is extremely dangerous to our financial institutions. And yes, it is getting worse. Unlike the weather, though very much like the journalism.”

### **#GettingWorse: Life Expectancy Edition**

By John Robson, Climate Discussion Nexus, May 22, 2024

<https://climatediscussionnexus.com/2024/05/22/gettingworse-life-expectancy-edition/>

### **Rude and Crude but Definitely Justified**

By Dina Rubina, Quadrant, May 25, 2024

<https://quadrant.org.au/opinion/israel/2024/05/rude-and-crude-but-definitely-justified/>

### **Drowning in Sewage and Dumping Money into a Climate Rathole**

By Vijay Jayaraj, CO2 Coalition, May 20, 2024

<https://co2coalition.org/2024/05/20/drowning-in-sewage-and-dumping-money-into-a-climate-rathole/>

An example is rampant pollution of our waters. This neglect exists even in advanced societies such as the United Kingdom, where untreated sewage spills into the Thames and other rivers, turning them into fetid cesspools.

### **Beware of Climate Activists Cosplaying as ‘Conservatives’**

By James Taylor, American Thinker, May 16, 2024

[https://www.americanthinker.com/articles/2024/05/beware\\_of\\_climate\\_activists\\_cosplaying\\_as\\_conservatives.html](https://www.americanthinker.com/articles/2024/05/beware_of_climate_activists_cosplaying_as_conservatives.html)

### **Could Carbon Dioxide Be Convicted In A Criminal Court?**

By I & I Editorial Board, May 21, 2024

<https://issuesinsights.com/2024/05/21/could-carbon-dioxide-be-convicted-in-a-criminal-court/>

### **Climate Change ‘Solutions’ Are Harming the Environment**

By H. Sterling Burnett, American Thinker, May 24, 2024

[https://www.americanthinker.com/articles/2024/05/climate\\_change\\_solutions\\_are\\_harming\\_the\\_environment.html](https://www.americanthinker.com/articles/2024/05/climate_change_solutions_are_harming_the_environment.html)

### **Neither skeptical nor science**

By John Robson, Climate Discussion Nexus, May 15, 2024

<https://climatediscussionnexus.com/2024/05/15/neither-skeptical-nor-science/>

### **Energy & Environmental Review: May 13, 2024**

By John Droz, Jr, Master Resource, May 13, 2024

<https://www.masterresource.org/alliance-for-wise-energy-decisions/energy-environmental-review-05-13-2024/>

### ***Social Benefits of Carbon Dioxide***

#### **Effects of elevated CO<sub>2</sub> on nitrate reductase activity in tobacco plants**

By John Robson, Climate Discussion Nexus, May 22, 2024

<https://climatediscussionnexus.com/2024/05/22/effects-of-elevated-co2-on-nitrate-reductase-activity-in-tobacco-plants/>

From the CO<sub>2</sub>Science archive:

### ***Seeking a Common Ground***

#### **Short Summary of Observations Until April 2024**

By Ole Humlum, Climate4you, May 2024

<https://www.climate4you.com/>

#### **Up or Down? Which Direction will Climate Change Take Air Pollution Levels?**

By Anthony J. Sadar, American Thinker, May 28, 2024

[https://www.americanthinker.com/articles/2024/05/up\\_or\\_down\\_which\\_direction\\_will\\_climate\\_change\\_take\\_air\\_pollution\\_levels.html](https://www.americanthinker.com/articles/2024/05/up_or_down_which_direction_will_climate_change_take_air_pollution_levels.html)

Link to paper: **Climatology and trends of morning and evening surface-based temperature inversions in southwestern Pennsylvania with air quality implications**

By Anthony Sadar, Environmental Science and Pollution Research, May 7, 2022

<https://link.springer.com/article/10.1007/s11356-022-20504-7>

Link to cited similar paper: **Rapid Change in Surface-Based Temperature Inversions across the World during the Last Three Decades**

By Huiyu Zeng, et al., Journal of Applied Meteorology and Climatology, Feb 1, 2022

<https://journals.ametsoc.org/view/journals/apme/61/2/JAMC-D-21-0093.1.xml>

[SEPP Comment: No consistent trends, therefore no scientific conclusions can be drawn.]

### ***Models v. Observations***

#### **The Overlooked Sub-Grid Air-Sea Flux in Climate Models**

By Anonymous, WUWT, May 24, 2024

<https://wattsupwiththat.com/2024/05/24/the-overlooked-sub-grid-air-sea-flux-in-climate-models/>

#### **Modeling The Mysteries**

By Willis Eschenbach, WUWT, May 13, 2024

<https://wattsupwiththat.com/2024/05/13/modeling-the-mysteries/>

#### **Rainergy**

By Willis Eschenbach, WUWT, May 21, 2024

<https://wattsupwiththat.com/2024/05/21/rainergy/>

### ***Model Issues***

#### **“New computer modeling”**

By Tony Heller, His Blog, May 14, 2024

<https://realclimatescience.com/2024/05/new-computer-modeling/#gsc.tab=0>

[SEPP Comment: Guru Gore in 2009.]

### ***Measurement Issues -- Surface***

## **NOAA's Latest Climate Data Shows the Global Land Region Temperature Anomaly Peaked in February 2016 Over 8 Years Ago**

By Larry Hamlin, WUWT, May 17, 2024

<https://wattsupwiththat.com/2024/05/17/noaas-latest-climate-data-shows-the-global-land-region-temperature-anomaly-peaked-in-february-2016-over-8-years-ago/>

### ***Changing Weather***

#### **NOAA predicts above-normal 2024 Atlantic hurricane season**

La Nina and warmer-than-average ocean temperatures are major drivers of tropical activity

Press Release, NOAA, May 23, 2024

<https://www.noaa.gov/news-release/noaa-predicts-above-normal-2024-atlantic-hurricane-season>

#### **NOAA predicts a below-normal 2024 central Pacific hurricane season**

Press Release, NOAA, May 21, 2024

<https://www.noaa.gov/news-release/noaa-predicts-below-normal-2024-central-pacific-hurricane-season>

## **Climate Research Paper Finds Tropical Storm Variability Linked Mostly To Oceanic Cycles**

By P Gosselin, No Tricks Zone, May 21, 2024

<https://notrickszone.com/2024/05/21/climate-research-paper-finds-tropical-storm-variability-linked-mostly-to-oceanic-cycles/>

Link to paper: **Contrasting Responses of Atlantic and Pacific Tropical Cyclone Activity to Atlantic Multidecadal Variability**

By Huanping Huang, et al., Geophysical Research Letters, May 17, 2023

<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2023GL102959>

### **Too Hot To Live**

By Tony Heller, His Blog, May 12, 2024

<https://realclimatescience.com/2024/05/too-hot-to-live/#gsc.tab=0>

“The press says Arizona has become too hot for people to live.”

Website, Arizona Snowbowl, (north of Flagstaff), May 17, 2024

“Conditions are just too good to close so we extended the 23/24 winter season AGAIN & will be open on the weekends for skiing & snowboarding through Memorial Day!”

<https://www.snowbowl.ski/>

### **#GettingWorse: Global wildfires edition**

By John Robson, Climate Discussion Nexus, May 15, 2024

<https://climatediscussionnexus.com/2024/05/15/gettingworse-global-wildfires-edition/>

### **Fire severity of the Sierra Nevada, California, USA (1984-2010)**

By John Robson, Climate Discussion Nexus, May 15, 2024

<https://climatediscussionnexus.com/2024/05/15/fire-severity-of-the-sierra-nevada-california-usa-1984-2010/>

From the CO2Science Archive:

## **Australia Permanent Drought Update**

By Tony Heller, His Blog, May 15, 2024

<https://realclimatescience.com/2024/05/australia-permanent-drought-update-6/#gsc.tab=0>

Twenty-one years into Australia's official permanent drought, drought is at an historical low.

## ***Changing Climate***

### **Cycles in Earth's Climate – Part 1: The Trend Setters**

By Richard Willoughby, WUWT, May 16, 2024

<https://wattsupwiththat.com/2024/05/16/cycles-in-earths-climate-part-1-the-trend-setters/>

## ***Changing Seas***

### **London gets it**

By John Robson, Climate Discussion Nexus, May 15, 2024

<https://climatediscussionnexus.com/2024/05/15/london-gets-it/>

## **Nino Recedes, NH Keeps Ocean Warm April 2024**

By Ron Clutz, His Blog, May 18, 2024

<https://rclutz.com/2024/05/18/nino-recedes-nh-keeps-ocean-warm-april-2024/>

## ***Changing Cryosphere – Land / Sea Ice***

### **New Paper: Global Warming Leading To HIMALAYAN COOLING, Preventing Glacial Melt!**

By P Gosselin, No Tricks Zone, May 11, 2024

<https://notrickszone.com/2024/05/11/new-paper-global-warming-leading-to-himalayan-cooling-preventing-glacial-melt/>

Link to paper: **Local cooling and drying induced by Himalayan glaciers under global warming**

By Franco Salerno, et al., Nature, Geoscience, Dec 4, 2024

<https://www.nature.com/articles/s41561-023-01331-y>

## **Arctic Ice Plentiful Mid-May 2024**

By Ron Clutz, His Blog, May 16, 2024

<https://rclutz.com/2024/05/16/arctic-ice-plentiful-mid-may-2024/>

## **Ian Stirling, grandfather of polar bear biologists, dead at 82**

By Susan Crockford, Polar Bear Science, May 19, 2024

<https://polarbearscience.com/2024/05/19/ian-stirling-grandfather-of-polar-bear-biologists-dead-at-83/>

“It was sad for me to have witnessed a respected and dedicated biologist turn his back on science the way he did but I am also saddened by his passing. He truly did make a huge contribution to science but could have done so much more with the time he had.”

## ***Agriculture Issues & Fear of Famine***

### **Is Beef Production A Major Contributor To Climate Change?**

By Francis Menton, Manhattan Contrarian, May 20, 2024



<https://www.manhattancontrarian.com/blog/2024-5-20-is-beef-production-a-major-contributor-to-climate-change>

“The researchers found that 19%-30% of methane emissions were from the cattle, but the rest was from the wetland soils. If the cows are removed, their research shows, it actually increases the amount of methane the wetland ecosystems give off.”

*[SEPP Comment: The claim that methane is a major cause of global warming is foolish. On Earth, water and water vapor dominate and render methane insignificant. Methane may be important on a planet without water but not Earth.]*

### **New Study: Warming Temperatures In China The ‘Main Factor’ Explaining Rising Crop Yields**

By Kenneth Richard, No Tricks Zone, May 24, 2024

<https://notrickszone.com/2024/05/24/new-study-warming-temperatures-in-china-the-main-factor-explaining-rising-crop-yields/>

Link to paper: **Impact of rapid Arctic sea ice decline on China’s crop yield under global warming**

By Di Chen and Qizhen Sun, Environment Development and Sustainability, Nov 24, 2022

<https://link.springer.com/content/pdf/10.1007/s10668-022-02757-x.pdf>

### ***Lowering Standards***

#### **HadCRUT Has Now Fully Removed 0.15°C From The 1940s Warmth ‘Blip’ As Proposed In 2009 E-mails**

By Kenneth Richard, No Tricks Zone, May 20, 2024

<https://notrickszone.com/2024/05/20/hadcrut-has-now-fully-removed-0-15c-from-the-1940s-warmth-blip-as-proposed-in-2009-e-mails/>

*[SEPP Comment: The human influence on climate?]*

### **A Moral, Ethical and Legal Failure at the University of Washington**

By Cliff Mass, His Blog, May 17, 2024

<https://cliffmass.blogspot.com/2024/05/a-moral-ethical-and-legal-failure-at.html>

### **Today's world: Fastest rate of carbon dioxide rise over the last 50,000 years**

Press Release, Oregon State University, May 13, 2024 [H/t Bernie Kepshire]

<https://www.sciencedaily.com/releases/2024/05/240513150512.htm>

Link to paper: **Southern Ocean drives multidecadal atmospheric CO<sub>2</sub> rise during Heinrich Stadials**

By Kathleen A. Wendt, et al., May 13, 2024

<https://www.pnas.org/doi/10.1073/pnas.2319652121>

From statement of significance: “Ice cores show synchronous abrupt warming in Antarctica and vapor source regions, which is consistent with increasing **Southern Ocean ventilation due to shifting Southern Hemisphere westerly winds.**” [Boldface added]

*[SEPP Comment: Oregon State University science: Get a paper published which has little to do with CO<sub>2</sub> and temperature, then issue press releases claiming that it does?]*

### **Why We Still Need Fossil Fuels, Despite Reuters Propaganda**

By Paul Homewood, Not a Lot of People Know That, May 17, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/17/why-we-still-need-fossil-fuels-despite-reuters-propaganda/>

Today's misinformation from Reuters, who once upon a time used to be a trusted source of news:

### ***Communicating Better to the Public – Use Yellow (Green) Journalism?***

#### **The sinister tilt of science journalism**

By John Robson, Climate Discussion Nexus, May 22, 2024

<https://climatediscussionnexus.com/2024/05/22/the-sinister-tilt-of-science-journalism/>

Freeman's piece is tentative, as the headline suggests: "A More Honest Climate Science?" And the subhead says "Maybe scientific journals are ready to move past the era of politicized pronouncements." Which again prompts our sardonic "unless they're not". But they certainly should be, and we hope they are.

[James Freeman, WSJ, May 13]

### **Climate Change Reporters Call the End of Fossil Fuel – in the Middle of Record Demand**

By Eric Worrall, WUWT, May 20, 2024

<https://wattsupwiththat.com/2024/05/20/climate-change-reporters-call-the-end-of-coal-and-gas-in-the-middle-of-record-demand/>

### **Real World Data Proves That Air Turbulence Is Not Getting Worse**

By Paul Homewood, Not a Lot of People Know That, May 23, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/23/real-world-data-proves-that-air-turbulence-is-not-getting-worse/>

"This whole media circus is part of a much wider problem.

Far too often the media's bases its apocalyptic climate stories on computer models instead of real world, which usually tells a different story.

And there are plenty of grant addicted, grifting scientists out there to provide them with the ammunition."

### **Wrong, Mainstream Media, Tree Rings Aren't Reliable Indicators of Past Temperatures**

By Anthony Watts, Climate Realism, May 16, 2024

<https://climaterealism.com/2024/05/wrong-mainstream-media-tree-rings-arent-reliable-indicators-of-past-temperatures/>

### **No, Washington Post, Houston's Mosquito Problem Isn't New or Driven by Climate Change**

By Anthony Watts, WUWT, May 24, 2024

<https://wattsupwiththat.com/2024/05/24/no-washington-post-houstons-mosquito-problem-isnt-new-or-driven-by-climate-change/>

### **No BBC, Climate Change Did Not Make Our Winter Worse.**

By Paul Homewood, Not a Lot of People Know That, May 22, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/22/no-bbc-climate-change-did-not-make-our-winter-worse/>

### **More Wildfire Misinformation at the Seattle Times**

By Cliff Mass, Weather Blog, May 23, 2024

<https://cliffmass.blogspot.com/2024/05/more-wildfire-misinformation-at-seattle.html>

### **Tidbits**

By John Robson, Climate Discussion Nexus, May 15, 2024

<https://climatediscussionnexus.com/2024/05/15/tidbits-62/>

### ***Communicating Better to the Public – Exaggerate, or be Vague?***

#### **Lord Callanan Misleads Parliament**

By Paul Homewood, Not a Lot of People Know That, May 17, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/17/lord-callanan-misleads-parliament/>

“It is, of course, abundantly clear that when these extra costs are included, the cost of offshore wind power is considerably more than gas. Callanan knows this and should be forced back to the chamber to apologize for deliberately misleading Parliament.”

#### **Net Zero Watch calls on energy minister to come clean on renewables costs**

Press Release, Net Zero Watch, May 17, 2024

<https://www.netzerowatch.com/all-news/callanan-must-come-clean>

### **Saving the science from the scientists who say**

By John Robson, Climate Discussion Nexus, May 15, 2024

<https://climatediscussionnexus.com/2024/05/15/saving-the-science-from-the-scientists-who-say/>

### ***Communicating Better to the Public – Make things up.***

#### **Climate Change Claim: People will be 31% Poorer by 2100**

By Eric Worrall, WUWT, May 18, 2024

<https://wattsupwiththat.com/2024/05/18/climate-change-claim-people-will-be-31-poorer-by-2100/>

### **Tidbits**

By John Robson, Climate Discussion Nexus, May 22, 2024

<https://climatediscussionnexus.com/2024/05/22/tidbits-63/>

Link to paper: **The Macroeconomic Impact of Climate Change: Global vs. Local Temperature**

By Adrien Bilal & Diego R. Känzig, National Bureau of Economic Research, May 2024

<https://www.nber.org/papers/w32450>

From abstract: This paper estimates that the macroeconomic damages from climate change are six times larger than previously thought. We exploit natural variability in global temperature and rely on time-series variation. A 1°C increase in global temperature leads to a 12% decline in world GDP.

Robson: The social cost of carbon is \$1,056 per ton if some unverified model is better than some other unverified model... Also ‘A business-as-usual warming scenario leads to a present value welfare loss of 31%’ (and yes, it’s SSP8.5 though you have to do some sleuthing to pin it down).

### **Hottest Summer For 2000 Years?**

By Paul Homewood, Not a Lot of People Know That, May 16, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/16/hottest-summer-for-2000-years/>  
“This latest story is conclusive evidence that climate ‘science’ has lost all scientific credibility, and is no more than politicized propaganda.”

### **Study: Amundsen-Scott South Pole Station Could be Powered by Renewables**

By Eric Worrall, WUWT, May 18, 2024

<https://wattsupwiththat.com/2024/05/18/study-amundsen-scott-south-pole-station-could-be-powered-by-renewables/>

Link to paper: **Techno-economic analysis of renewable energy generation at the South Pole**

By Susan Babinec, et al., Renewable and Sustainable Energy Reviews, April 2024

<https://www.sciencedirect.com/science/article/abs/pii/S1364032123011322>

From the abstract: “A tailored model of resource availability and economics for solar photovoltaics, wind turbine generators, lithium-ion energy storage, and long-duration energy storage at this site is explored in different combinations with and without existing diesel energy generation.”

### ***Communicating Better to the Public – Do a Poll?***

#### **Half of Americans think climate change will destroy planet in their lifetime: poll**

By SWINS, New York Post, May 20, 2024

<https://nypost.com/2024/05/20/us-news/half-of-americans-think-climate-change-will-destroy-planet-in-their-lifetime-poll/>

### ***Communicating Better to the Public – Go Personal.***

#### **Ad Hominem Backfire in the Energy/Climate Debate**

By Robert Bradley Jr., WUWT, May 20, 2024

<https://wattsupwiththat.com/2024/05/20/ad-hominem-backfire-in-the-energy-climate-debate/>

### **Claim: Trump’s Anti-Science Climate Denial Threatens the Foundations of Prosperity**

By Eric Worrall, WUWT, May 24, 2024

<https://wattsupwiththat.com/2024/05/24/claim-trumps-anti-science-climate-denial-threatens-the-foundations-of-prosperity/>

*[SEPP Comment: If anyone is anti-science it is those who claim carbon dioxide is a pollutant. Carbon dioxide is ESSENTIAL for photosynthesis, the primary food source for all complex life on Earth.]*

### ***Communicating Better to the Public – Use Propaganda***

#### **Wildfire smoke has covered up to 70 percent of California in recent years, affecting land and water: Study**

By Sharon Udasin, The Hill, May 22, 2024

<https://thehill.com/policy/energy-environment/4677656-california-wildfire-smoke-covered-up-to-70-percent-land-water-impacts-study/>

Link to paper: **Wildfire smoke reduces lake ecosystem metabolic rates unequally across a trophic gradient**

By Adrienne P. Smits, et al. Nature, Communications Earth & Environment, May 22, 2024

<https://www.nature.com/articles/s43247-024-01404-9>

*[SEPP Comment: According to the abstract the period covered is 2006 to 2022. How does it compare with the 1800s?]*

### **Office Of Climate Change And Health Equity And Environmental Justice**

By Tony Heller, His Blog, May 23, 2024

<https://realclimatescience.com/2024/05/office-of-climate-change-and-health-equity-and-environmental-justice/#gsc.tab=0>

Video produced by the US Department of Health and Human Services

### **Economic damage from climate change six times worse than thought–Guardian**

By Paul Homewood, Not a Lot of People Know That, May 18, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/18/economic-damage-from-climate-change-six-times-worse-than-thought-guardian/>

Thought by whom?

### ***Communicating Better to the Public – Use Propaganda on Children***

#### **The Greater Fools**

Western elites can be bought, and Chinese communists are limit long.

By Doomberg, May 20, 2024

[https://newsletter.doomberg.com/p/the-greater-fools?utm\\_source=post-email-title&publication\\_id=343139&post\\_id=144760249&utm\\_campaign=email-post-title&isFreemail=true&r=f7h7&triedRedirect=true&utm\\_medium=email](https://newsletter.doomberg.com/p/the-greater-fools?utm_source=post-email-title&publication_id=343139&post_id=144760249&utm_campaign=email-post-title&isFreemail=true&r=f7h7&triedRedirect=true&utm_medium=email)

Nearly 200 U.S. colleges and universities held contracts with Chinese businesses, valued at \$2.32 billion, between 2012 and 2024, according to a review by The Wall Street Journal of disclosures made to the Education Department. The Journal tallied roughly 2,900 contracts.”

### ***Communicating Better to the Public – Protest***

#### **Tell the world, the Dutch tractor protests and a War on Net Zero won**

By Jo Nova, Her Blog, May 22, 2024

<https://joannenova.com.au/2024/05/tell-the-world-the-dutch-tractor-protests-and-a-war-on-net-zero-won/>

### **Magna Fatuitas**

By John Robson, Climate Discussion Nexus, May 22, 2024

<https://climatediscussionnexus.com/2024/05/22/magna-fatuitas/>

### **BBC Complaint–Ozone Hole**

By Paul Homewood, Not a Lot of People Know That, May 17, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/17/bbc-complaint-ozone-hole/>

The BBC has responded. As is always the case they fail to answer any of my points:

### **Birds of a feather**

By John Robson, Climate Discussion Nexus, May 15, 2024

<https://climatediscussionnexus.com/2024/05/15/birds-of-a-feather/>

### ***Questioning European Green***

## **Unlimited Growth, Forever**

By Joakim Book, American Institute for Economic Research, May 6, 2024

<https://www.aier.org/article/unlimited-growth-forever/>

## **Why Do We Think Politicians Can Control the Weather?**

By James Leary, The Daily Sceptic, May 22, 2024

<https://dailysceptic.org/2024/05/22/why-do-we-now-think-politicians-can-control-the-weather/>

The retired 747 captain writes: “Back to Singapore. It’s very doubtful if a big nasty cloud caused the incident. They’re too easy to spot nowadays with sophisticated airborne weather radars. Clear air turbulence – not so easy. It can be and is forecast in the preflight met briefings. Only as a likelihood, though, not as a certainty, nor in any one specific place. Occasionally, there may be a seat-of-the-pants warning. A slight rumble. A tremble going through the aircraft.”

## **What Caused the Severe Turbulence on a Singapore Airlines Flight Last Night?**

By Cliff Mass, Weather Blog, May 21, 2024

<https://cliffmass.blogspot.com/2024/05/what-caused-severe-turbulence-on.html>

## **Net Zero Watch calls for UK to follow Dutch example**

Press Release, Ne Zero Watch, May 20, 2024

<https://www.netzerowatch.com/all-news/follow-dutch-net-zero-example>

## **Compulsory smart meters crucial to fight ‘real and growing risk’ of drought, experts warn**

By Paul Homewood, Not a Lot of People Know That, May 16, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/16/compulsory-smart-meters-crucial-to-fight-real-and-growing-risk-of-drought-experts-warn/>

## **Giant heat pumps could turn retirement haven into nightmare**

By Paul Homewood, Not a Lot of People Know That, May 11, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/11/giant-heat-pumps-could-turn-retirement-haven-into-nightmare/>

## ***Questioning Green Elsewhere***

### **What Is The Most Pernicious Example Of "Misinformation" Currently Circulating?**

By Francis Menton, Manhattan Contrarian, May 17, 2024

<https://www.manhattancontrarian.com/blog/2024-5-17-what-is-the-most-pernicious-example-of-misinformation-currently-circulating>

## **The Green Energy Wall Can't Arrive Quickly Enough**

By Francis Menton, Manhattan Contrarian, May 13, 2024

<https://www.manhattancontrarian.com/blog/2024-5-13-the-green-energy-wall-cant-arrive-quickly-enough>

“Among the fantasies are two major statutes passed in 2019, one for New York State (Climate Leadership and Community Protection Act) [CLCPA], and the other for the City (Local Law 97); and vehicle emissions standards adopted in 2022 by New York’s Department of Environmental Conservation.”

“Something called a ‘Scoping Plan’ has been generated pursuant to the CLCPA. It foresees a need for something they call the “Dispatchable Emissions Free Resource.” This is something that does not currently exist, and likely will not exist during any relevant time frame.”

*[SEPP Comment: Bold leadership by example: Dream solutions up and put them into law before anyone recognizes they are merely dreams?]*

### **Unattainable Sustainability**

By Don Harrison, WUWT, May 23, 2024

<https://wattsupwiththat.com/2024/05/23/unattainable-sustainability/>

### **Chinese handcuffs: How China exploits America’s climate agenda**

By Paul Homewood, Not a Lot of People Know That, May 13, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/13/chinese-handcuffs-how-china-exploits-americas-climate-agenda/>

Link to report: **Chinese Handcuffs: How China Exploits America’s Climate Agenda**

By Erin Walsh and Andrew Harding, The Heritage Foundation, May 6, 2024

<https://www.heritage.org/asia/report/chinese-handcuffs-how-china-exploits-americas-climate-agenda>

### ***Non-Green Jobs***

#### **Scottish oil industry sheds 1000s more jobs than gained by renewables**

By Paul Homewood, Not a Lot of People Know That, May 13, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/13/scottish-oil-industry-sheds-1000s-more-jobs-than-gained-by-renewables/>

#### **Labour and Unite [Britian’s biggest labor union] go to war over oil**

By Paul Homewood, Not a Lot of People Know That, May 18, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/18/labour-and-unite-go-to-war-over-oil/>

Link to: **North Sea Oil Workers Cannot be Sacrificed on the Altar of Net Zero: Unions Go to War on Labour’s “Irresponsible” Green Policy**

By Will Jones, The Daily Sceptic, May 18, 2024

<https://dailysceptic.org/2024/05/18/north-sea-oil-workers-cannot-be-sacrificed-on-the-altar-of-net-zero-unions-go-to-war-on-labours-irresponsible-green-policy/>

### ***Funding Issues***

#### **A program meant to help developing nations fight climate change is funneling billions of dollars back to rich countries**

Wealthy countries sent climate funding to the developing world in recent years with interest rates or strings attached that benefited the lending nations, a Reuters data analysis found.

By Irene Casado Sanchez and Jackie Botts, Reuters, May 22, 2024

<https://www.reuters.com/investigates/special-report/climate-change-loans/>

#### **President of European Central Bank Says the Entire Economy and Financial System Requires Overhauling due to Climate Change**

By Paul Homewood, Not a Lot of People Know That, May 18, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/18/president-of-european-central-bank-says-the-entire-economy-and-financial-system-requires-overhauling-due-to-climate-change/>

### **UCLA to lead first federal research center focused on building heat-resilient communities**

By Sharon Udasin, The Hill, May 230, 2024

<https://thehill.com/policy/energy-environment/4675080-ucla-first-federal-research-center-building-heat-resilient-communities/>

“The new Los Angeles-based center, which will be operated with Arizona State University, is part of a broader, community heat-related \$4.55 million financing effort from the Inflation Reduction Act.”

### ***The Political Games Continue***

#### **Another glorious climate triumph**

By John Robson, Climate Discussion Nexus, May 15, 2024

<https://climatediscussionnexus.com/2024/05/15/another-glorious-climate-triumph/>

Like many politicians, Canada’s prime minister has a sublime confidence in his own capacity to achieve wonderful things that is not, how shall we put it, evidence-based.

### **The UK government's climate intransigence**

A recent petition calling for the repeal of the UK Climate Change Act has triggered a response from the government. But what the reply reveals is yet more of the intransigence that caused its crises.

By Ben Piler, The Net Zero Scandal, May 19, 2024 [H/t Paul Homewood]

[https://netzeroscandal.substack.com/p/the-uk-governments-climate-intransigence?utm\\_source=post-email-title&publication\\_id=2085775&post\\_id=144774307&utm\\_campaign=email-post-title&isFreemail=true&r=8swye&triedRedirect=true&utm\\_medium=email](https://netzeroscandal.substack.com/p/the-uk-governments-climate-intransigence?utm_source=post-email-title&publication_id=2085775&post_id=144774307&utm_campaign=email-post-title&isFreemail=true&r=8swye&triedRedirect=true&utm_medium=email)

### **Michigan Government: Stacked Top to Bottom with Donor-provided Climate Activist “Staff”**

By Staff, Government Accountability & Oversight, May 10, 2024

<https://govoversight.org/michigan-government-stacked-top-to-bottom-with-donor-provided-climate-activist-staff/>

### ***Litigation Issues***

#### **Alps’ Glacier History Contradicts German High Court Claim Of CO2 “Linear Relationship”**

By Fred F. Mueller, via P Gosselin, No Tricks Zone, May 22, 2024

<https://notrickszone.com/2024/05/22/alps-glacier-history-contradicts-german-high-court-claim-of-co2-linear-relationship/>

“With comparatively stable CO2 levels over 10,500 years, temperatures still fluctuated within a range of -4 to +3 °C.

Yet, German Constitutional High Court preposterously claims there is an “almost linear relationship” between CO2 and temperature.”

### **Even Stupider Than The Stupidest Litigation In The Country**



By Francis Menton, Manhattan Contrarian, May 11, 2024

<https://www.manhattancontrarian.com/blog/2024-5-11-even-stupider-than-the-stupidest-litigation-in-the-country>

“Somehow, the Vermont legislature cannot see how ridiculous it looks blaming fossil fuel producers for carbon emissions when in fact all of the people of Vermont, as well as the state itself, are the ones buying and burning the fuels. Why don’t they just stop if it’s such a bad thing?”

### **States, Trade Groups Sue EPA Over New Fossil Fuel Rules**

By Sonal Patel, Power Mag, May 9, 2024

[https://www.powermag.com/states-trade-groups-sue-epa-over-new-fossil-fuel-rules/?oly\\_enc\\_id=7809H6412578J0B](https://www.powermag.com/states-trade-groups-sue-epa-over-new-fossil-fuel-rules/?oly_enc_id=7809H6412578J0B)

“PJM Interconnection, the nation’s largest regional transmission organization (RTO), in a statement on Wednesday acknowledged that the EPA’s new rule includes important measures to enhance flexibility measures. However, the grid operator stressed it remained concerned about the final rule’s impact on reliability.

Among its continuing concerns are that the rule’s reliance on carbon capture and sequestration (CCS) technology poses feasibility issues owing to geographical and infrastructural challenges. PJM also suggested that stringent coal and natural gas requirements could lead to their premature retirement amidst rising electricity demands—particularly from data center load, electric vehicles, and increased electric heating load.”

*[SEPP Comment: EPA to the American public: forget reliable, affordable electricity. Let’s dream up new stuff that has never worked but under special conditions.]*

### **Red States Ask Supreme Court To Stop Blue States From Forcing Climate Agenda On Rest Of Country**

By Nick Pope, Daily Caller, May 23, 2024

<https://dailycaller.com/2024/05/23/red-blue-states-supreme-court-climate-agenda/>

### ***Subsidies and Mandates Forever***

#### **Debunking the Cheap Renewables Myth**

We keep getting told that wind and solar renewables are cheap, yet our bills keep going up. So, what’s going on?

By David Turver, Eigen Values, May 15, 2024

<https://davidturver.substack.com/p/debunking-cheap-renewables-myth>

#### **The not-so-invisible hand**

By John Robson, Climate Discussion Nexus, May 22, 2024

<https://climatediscussionnexus.com/2024/05/22/the-not-so-invisible-hand/>

Imagine that. People like it when you throw money at them. Until the tax bill arrives, that is... unless it gets sent to someone else.

#### **Yet more subsidies for renewables**

By John Constable, Net Zero Watch, May 21, 2024

<https://www.netzerowatch.com/all-news/sustainable-industry-award>

Link to: Contracts for Difference (CfD) Allocation Round 7: Sustainable Industry Reward – draft allocation framework

The draft allocation framework sets out the rules for the Contracts for Difference (CfD) Sustainable Industry Reward and the eligibility requirements applicants must satisfy.

By Staff, Department for Energy Security and Net Zero, May 9, 2024

<https://www.gov.uk/government/publications/contracts-for-difference-cfd-allocation-round-7-sustainable-industry-reward-allocation-framework#full-publication-update-history>

[SEPP Comment: More subsidies needed to make the “sustainable” wind industry sustainable?]

### ***EPA and other Regulators on the March***

#### **EPA’s Clean Power Plan Rule Prioritizes Net-Zero Over Grid Reliability**

By Gabriella Hoffman & Christian Palich, Real Clear Wire, May 20, 2024

[https://realclearwire.com/articles/2024/05/20/epas\\_clean\\_power\\_plan\\_rule\\_prioritizes\\_net-zero\\_over\\_grid\\_reliability\\_1032747.html](https://realclearwire.com/articles/2024/05/20/epas_clean_power_plan_rule_prioritizes_net-zero_over_grid_reliability_1032747.html)

#### **U.S. EPA Unveils Carbon Dioxide Regulations That Could End Coal and Natural Gas Power Generation**

By Tim Benson, Heartland Daily News, May 6, 2024

[https://heartlanddailynews.com/2024/05/u-s-epa-unveils-carbon-dioxide-regulations-that-could-end-coal-and-natural-gas-power-generation/?utm\\_source=ActiveCampaign&utm\\_medium=email&utm\\_content=Environment+%26+Climate+News%3A+U+S++EPA+Unveils+Carbon+Dioxide+Regulations+That+Could+End+Coal+and+Natural+Gas+Power+Generation&utm\\_campaign=ECN+%2805-16-24%29&vgo\\_ee=%2F1Dwpc1465aZLKRvovna3YVdGV6xi%2BT1QwjbJmmdzg%3D%3D%3AtOqnHZ%2Ba9rmmOQen1X4mhGti7jrFDZwq](https://heartlanddailynews.com/2024/05/u-s-epa-unveils-carbon-dioxide-regulations-that-could-end-coal-and-natural-gas-power-generation/?utm_source=ActiveCampaign&utm_medium=email&utm_content=Environment+%26+Climate+News%3A+U+S++EPA+Unveils+Carbon+Dioxide+Regulations+That+Could+End+Coal+and+Natural+Gas+Power+Generation&utm_campaign=ECN+%2805-16-24%29&vgo_ee=%2F1Dwpc1465aZLKRvovna3YVdGV6xi%2BT1QwjbJmmdzg%3D%3D%3AtOqnHZ%2Ba9rmmOQen1X4mhGti7jrFDZwq)

### **Window on the Bay State**

By Staff, Government Accountability & Oversight, May 17, 2024

<https://govoversight.org/window-on-the-bay-state/>

President Biden has nominated former Massachusetts Undersecretary of Energy and Climate Solutions, Judy Chang, to be a FERC Commissioner. Ms. Chang is possibly best well-known for a 2018 comment staking out the position that because New England would move away from natural gas within the next five years it was irresponsible to invest in pipelines.

### ***Energy Issues – Non-US***

#### **Bill payers to fund £60bn Net Zero overhaul of National Grid**

By Paul Homewood, Not a Lot of People Know That, May 23, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/23/bill-payers-to-fund-60bn-net-zero-overhaul-of-national-grid/>

### ***Energy Issues – Australia***

#### **Budget review: net zero cannibalizes our prosperity**

By Alan Moran, Spectator Australia, Via LinkedIn, May 16, 2024

<https://www.linkedin.com/pulse/budget-review-net-zero-cannibalises-our-prosperity-lucas-christopher-kwfre>

## **Not Zero? NSW State Government to Pay up to \$225 Million per Annum to a Single Coal Plant to Remain Open**

By Eric Worrall, WUWT, May 23, 2024

<https://wattsupwiththat.com/2024/05/23/net-zero-nsw-state-government-to-pay-225-million-per-annum-to-a-single-coal-plant/>

## **Solar power at midday is so useless, they plan to start charging homeowners for generating it**

By Jo Nova, Her Blog, May 16, 2024

<https://joannenova.com.au/2024/05/solar-power-at-midday-is-so-useless-they-plan-to-start-charging-homeowners-for-generating-it/>

*[SEPP Comment: To be a leader why not build more?]*

## ***Energy Issues -- US***

### **The Inconvenient Truth About Copper: Implications for U.S. Electrification Goals**

By Charles Rotter, WUWT, May 19, 2024

<https://wattsupwiththat.com/2024/05/19/the-inconvenient-truth-about-copper-implications-for-u-s-electrification-goals/>

#### **Link to report: Copper Mining and Vehicle Electrification**

By Lawrence Cathles, et al., International Energy Forum, 2024

<https://www.ief.org/focus/ief-reports/copper-mining-and-vehicle-electrification#about-authors>

This paper addresses this issue by projecting copper supply and demand from 2018 to 2050 and placing both in the historical context of copper mine output. Discussion is focused on a single diagram that illustrates the unprecedented nature of the copper mining challenge and ways to reduce copper demand.

Just to meet business-as-usual trends, 115% more copper must be mined in the next 30 years than has been mined historically until now. To electrify the global vehicle fleet requires bringing into production 55% more new mines than would otherwise be needed.

### **American Energy Is Clean Energy. It's Time to Admit It.**

By Chris Barnard, Real Clear Energy, May 16, 2024

[https://www.realclearenergy.org/articles/2024/05/16/american\\_energy\\_is\\_clean\\_energy\\_its\\_time\\_to\\_admit\\_it\\_1032079.html](https://www.realclearenergy.org/articles/2024/05/16/american_energy_is_clean_energy_its_time_to_admit_it_1032079.html)

### **Storm Front - As Data Centers Proliferate, Utilities Turn To Gas-Fired Power To Meet Demand**

By Ellen Chang, RBN Energy, May 14, 2024

<https://rbnenergy.com/storm-front-as-data-centers-proliferate-utilities-turn-to-gas-fired-power-to-meet-demand>

### **The Looming Electricity Shortage**

By Steve Goreham, Cornwall Alliance, May 10, 2024

<https://cornwallalliance.org/2024/05/the-looming-electricity-shortage/>

### **A Green Embargo Could Cause a Recession**

By Ronald Stein, Cornwall Alliance, May 14, 2024

<https://cornwallalliance.org/2024/05/a-green-embargo-could-cause-a-recession/>

California: “The 4th [5<sup>th</sup>] largest economy in the world has increased imported crude oil from 5 percent in 1992 to almost 60 percent of total consumption today.” [Mostly from foreign countries.]

### **NERC: Summer Grid Outlook Improved But Still Vulnerable to Extreme Weather, Demand Growth Spikes**

By Sonal Patel, Power Mag, May 16, 2024

[https://www.powermag.com/nerc-summer-grid-outlook-improved-but-still-vulnerable-to-extreme-weather-demand-growth-spikes/?oly\\_enc\\_id=7809H6412578J0B](https://www.powermag.com/nerc-summer-grid-outlook-improved-but-still-vulnerable-to-extreme-weather-demand-growth-spikes/?oly_enc_id=7809H6412578J0B)

Link to: 2024 Summer Reliability Assessment

By Staff, NERC, May 2024

[https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC\\_SRA\\_2024.pdf](https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC_SRA_2024.pdf)

From the report: Wildfire risk areas cover a smaller portion of North America at the start of summer, lowering the likelihood that the BPS will be affected by fire conditions. At the start of summer, Canadian wildfire information system officials assess that there is potential for above-average fire activity over a large region that extends from British Columbia to northwest Manitoba and includes Alberta and Saskatchewan. In the United States, Climate Prediction Center and Predictive Services outlooks for early summer indicate that above-normal significant fire potential is limited to portions of the U.S. Southwest and West Texas.<sup>7</sup> Nonetheless, wildfire risk in North America typically increases in later summer months as hotter and drier weather increases fire potential. BPS operation can be impacted in areas where wildfires are active as well as areas where there is heightened risk of wildfire ignition due to weather and ground conditions.

*[SEPP Comment: The recommendations do not include restoring practical measures to inhibit the spread of wildfires.]*

### **America’s Power Grid Could Buckle Under Sweltering Summer Heat, Watchdog Warns**

By Nick Pope, Daily Caller, May 15, 2024

<https://dailycaller.com/2024/05/15/grid-watchdog-elevated-risk-summer-blackouts-nerc/>

Link to: 2024 Summer Reliability Assessment

By Staff, North American Electric Reliability Corporation (NERC), May 2024

[https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC\\_SRA\\_2024.pdf](https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC_SRA_2024.pdf)

### **Winter Without Your Gasoline Car?**

By Steve Goreham, Master Resource, May 15, 2024

<https://www.masterresource.org/electric-vehicles/winter-evs/>

### **Grid Planning to Meet NY Climate Act Goals**

By Roger Caiazza, WUWT, May 5, 18, 2024

<https://wattsupwiththat.com/2024/05/18/grid-planning-to-meet-ny-climate-act-goals/>

### **The Aspirations and Economics of the New Jersey Energy Master Plan A Report for the Garden State Initiative**

By Mark Mills, Director, National Center for Energy Analytics, May 2024

[https://www.gardenstateinitiative.org/app/uploads/2024/05/GS-1632\\_Energy\\_04.pdf](https://www.gardenstateinitiative.org/app/uploads/2024/05/GS-1632_Energy_04.pdf)

The New Jersey Energy Master Plan (EMP) in its previous and anticipated forms proposes that the state can soon produce all the electricity needed using mainly wind and solar technologies and achieve near-universal electrification of vehicles as well as the heating/cooling of homes and buildings. Today, New Jersey obtains over 90 percent of all the state's energy from hydrocarbons and 98 percent of vehicles on the roads use petroleum.

### **“100% Non-Carbon By 2030”**

By Tony Heller, His Blog, May 22, 2024

<https://realclimatescience.com/2024/05/100-non-carbon-by-2030/#gsc.tab=0>

### ***Washington's Control of Energy***

#### **Biden Moves To Gut Entire Coal Industry**

By Alan Jamison, Amac, Association of Mature American Citizens, May 23, 2024

<https://amac.us/newsline/society/biden-moves-to-gut-entire-coal-industry/>

Nonetheless, the new rules are still in effect, and may do real damage to the coal industry before a court strikes them down – which may be exactly what the Biden administration is hoping for.

#### **Biden Games Gasoline Prices (election ahead?)**

By Allen Brooks, Master Resource, May 23, 2024

<https://www.masterresource.org/strategic-petroleum-reserve/biden-games-gasoline-prices-election-ahead/>

The Platte River Power Authority supplies Northern Colorado with their electricity and operates a giant wind farm west of Cheyenne. Almost sixty percent of their electricity is coming from coal this morning, and they say they will eliminate carbon by 2030.

#### **Time to Get Real: Bidenomics and Fossil Fuel Use**

By Frank Lasee, Real Clear Energy, May 22, 2024

[https://www.realclearenergy.org/articles/2024/05/22/time\\_to\\_get\\_real\\_bidenomics\\_and\\_fossil\\_fuel\\_use\\_1033317.html](https://www.realclearenergy.org/articles/2024/05/22/time_to_get_real_bidenomics_and_fossil_fuel_use_1033317.html)

### ***Oil and Natural Gas – the Future or the Past?***

#### **Russia discovers oil and gas reserves in Antarctica — ten times bigger than North Sea**

By Jo Nova, Her Blog, May 15, 2024

<https://joannenova.com.au/2024/05/russia-discovers-oil-and-gas-reserves-in-antarctica-ten-times-bigger-than-north-sea/>

### ***Nuclear Energy and Fears***

#### **Nuclear versus Renewables: The only cost that matters is the one the customers pay**

By Jo Nova, Her Blog, May 23, 2024

<https://joannenova.com.au/2024/05/nuclear-versus-renewables-the-only-cost-that-matters-is-the-one-the-customers-pay/>

“CSIRO artificially pumped up the cost of building a nuclear plant in Australia because it would be a new industry here. Did they do that for technologies that are barely invented like hydrogen and batteries too? They claim it would take 15 years to build one plant, yet the French built 56 plants in 15 years, and that was 40 years ago. The average build time then, without faxes, flip phones and “the internet” was just 7 years, yet somehow, they got it done. Do the CSIRO think

they can get away with publishing this kind of incompetent partisan hackery and Australians won't find out?"

## **Nuclear Energy Could Be A Godsend For Biden's Green Agenda. Here's What's Holding It Back**

By Nick Pope, Daily Caller, May 12, 2024

<https://dailycaller.com/2024/05/12/zero-emissions-nuclear-power-green-future/>

### ***Alternative, Green ("Clean") Solar and Wind***

#### **Solar Power In Summer**

By Paul Homewood, Not a Lot of People Know That, May 22, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/22/solar-power-in-summer/>

"Looked at another way, we currently have 16 GW of solar power. If solar farms were obliged to provide a steady supply to the grid, they would need to instal 40 GW of battery storage with 1-hour discharge, the typical battery specification. **Effectively for every MW of solar capacity, they would have to build 3 MW of storage.** [Boldface added]

And this is just to balance out daily generation, it does nothing to provide seasonal storage."

#### **Coal's Importance For Solar Panel Manufacturing**

By Lars Schernikau, WUWT, May 23, 2024

<https://wattsupwiththat.com/2024/05/23/coals-importance-for-solar-panel-manufacturing/>

The coal is required as a reducing agent for silicon making and as source for heat and electricity for the industrial process required to manufacture solar panels, not only in China. As unpopular as it may be, the world requires coal, even for the so called "energy transition".

#### **Biggest Solar Farm In Wales Planned**

By Paul Homewood, Not a Lot of People Know That, May 13, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/13/biggest-solar-farm-in-wales-planned/>

If it goes ahead, the project will receive over £150 million in subsidies, based on current prices. That's £1500 for each of those lucky homeowners.

*[SEPP Comment: The sun shines bright 24/7/365 at the latitude of 52 degrees N? About the same as Saskatoon, Canada (pop 320,000). The only major city in Canada north of that is Edmonton at 53.5 degrees north.]*

#### **Doubling Energy Costs**

By Tony Heller, His Blog, May 17, 2024

Video: <https://realclimatescience.com/2024/05/doubling-energy-costs-2/#gsc.tab=0>

Text: <https://realclimatescience.com/2024/05/doubling-energy-costs/#gsc.tab=0>

### ***Alternative, Green ("Clean") Energy -- Other***

#### **Net Zero Cargo Ships? International Tribunal for the Law of the Sea Demands Climate Action**

By Eric Worrall, WUWT, May 23, 2024

<https://wattsupwiththat.com/2024/05/23/zero-carbon-cargo-ships-international-tribunal-for-the-law-of-the-sea-demands-climate-action/>

*[SEPP Comment: Follow the example of Drax, below?]*

### **Drax To Build Wood Power Cargo Ship**

By Paul Homewood, Not a Lot of People Know That, May 15, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/15/drax-to-build-wood-power-cargo-ship/>

Drax, which operates a tree-burning power station in the UK, has signed a deal with three Japanese shipping companies to develop a “bioship” fuelled by wood chips instead of marine diesel. It hopes to see the first wood-fuelled cargo ship set sail by 2029.

*[SEPP Comment: Washington has stopped new natural gas exports from the US, but US forests are fair game?]*

### **‘Hydrogen town’ plan cancelled after protests over forced switch from natural gas**

By Paul Homewood, Not a Lot of People Know That, May 12, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/12/hydrogen-town-plan-cancelled-after-protests-over-forced-switch-from-natural-gas/>

### **Transatlantic air fares to jump under net zero fuel rules**

By Paul Homewood, Not a Lot of People Know That, May 19, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/19/transatlantic-air-fares-to-jump-under-net-zero-fuel-rules/>

### ***Alternative, Green (“Clean”) Energy -- Storage***

#### **Assessing America’s vulnerability to a Chinese graphite embargo**

By David Wojick, CFACT, May 20, 2024

<https://www.cfact.org/2024/05/20/assessing-americas-vulnerability-to-a-chinese-graphite-embargo/>

*[SEPP Comment: Graphite is needed for Lithium batteries.]*

### **Simple Truth vs. Cheap Green Energy Lie**

By Ron Clutz, His Blog, May 18, 2024

<https://rclutz.com/2024/05/18/simple-truth-vs-cheap-green-energy-lie/>

Link to: **It takes big energy to back up wind and solar**

By David Wojick, CFACT, Mar 21, 2024

<https://www.cfact.org/2021/03/21/it-takes-big-energy-to-back-up-wind-and-solar/>

Wojick: To my knowledge this big number has no name, but it should. Let’s call it the “**minimum backup requirement**” for wind and solar, or MBR. The minimum backup requirement is how much generating capacity a system must have to reliably produce power when wind and solar don’t.

“One wonders why we have never heard of this obvious huge cost with wind and solar. The utilities I have looked at avoid it with a trick.”

“The plan is to buy all the MBR juice from the neighbors! But if everyone is going wind and solar then no one will have juice to sell. In fact they will all be buying, which does not work.”

*[SEPP Comment: Dream world electricity.]*

### ***Alternative, Green (“Clean”) Vehicles***

## **EV Forcing: 21 Problems**

By Robert Bradley Jr., Master Resource, May 14, 2024

<https://www.masterresource.org/electric-vehicles/ev-forcing-21-problems/>

**Transitioning Fleet Trucks to Electric Raises Costs by up to 114 Percent, Report Warns**  
Mandating EV trucks in today's market leads to even 'more supply chain disruptions,' said an industry expert.

By Naveen Athrappully, The Epoch Times, May 12, 2024 [H/t Bernie Kepshire]

[https://www.theepochtimes.com/business/transitioning-fleet-trucks-to-electric-raises-costs-up-to-114-percent-report-warns-](https://www.theepochtimes.com/business/transitioning-fleet-trucks-to-electric-raises-costs-up-to-114-percent-report-warns-5648264?utm_source=partner&utm_campaign=ZeroHedge&src_src=partner&src_cmp=ZeroHedge)

[5648264?utm\\_source=partner&utm\\_campaign=ZeroHedge&src\\_src=partner&src\\_cmp=ZeroHedge](https://www.theepochtimes.com/business/transitioning-fleet-trucks-to-electric-raises-costs-up-to-114-percent-report-warns-5648264?utm_source=partner&utm_campaign=ZeroHedge&src_src=partner&src_cmp=ZeroHedge)

Link to report: **Charged Logistics: The Cost of Electric Vehicle Conversion for U.S. Commercial Fleets**

By Staff, Fleet Management, Ryder System, Inc. May 2024

[file:///C:/Users/Owner/Downloads/white-papers-ryder-ev-study\\_ada.pdf](file:///C:/Users/Owner/Downloads/white-papers-ryder-ev-study_ada.pdf)

## **The EV car crash continues**

By Jo Nova, Her Blog, May 18, 2024

<https://joannenova.com.au/2024/05/the-ev-car-crash-continues/>

## **Drivers may struggle to buy petrol cars as garages face risk of £15k net zero fines**

By Paul Homewood, Not a Lot of People Know That, May 16, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/16/drivers-may-struggle-to-buy-petrol-cars-as-garages-face-risk-of-15k-net-zero-fines/>

*[SEPP Comment: The motto of new "liberal" government. Fine those who do not comply with our demands?]*

## **BBC Wake Up To EV Reality**

By Paul Homewood, Not a Lot of People Know That, May 17, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/17/bbc-wake-up-to-ev-reality/>

## **Electric Van Sales In Decline**

By Paul Homewood, Not a Lot of People Know That, May 23, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/20/electric-van-sales-in-decline/>

"I suspect we are going to see increasing numbers of imported vans, which in turn will exacerbate the problems for UK manufacturers."

## **Sales of new petrol motorcycles set to be banned from 2040**

By Paul Homewood, Not a Lot of People Know That, May 13, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/13/sales-of-new-petrol-motorcycles-set-to-be-banned-from-2040/>

## **Carbon Schemes**

### **The Carbon Capture Con**

By Viv Forbes, Master Resource, May 17, 2024



<https://www.masterresource.org/carbon-capture-and-storage-ccs/the-carbon-capture-con/>

### ***California Dreaming***

The Crossroads of Kern County

By Edward Ring, What's Current, May 15, 2024

<https://mailchi.mp/calpolicycenter/whats-current-issue-377758?e=cd9fa89d1e>

### ***Health, Energy, and Climate***

**More Insanity: Carbon-Footprint Analyses in Random Controlled Trials**

By Charles Rotter, WUWT, May 20, 2024

<https://wattsupwiththat.com/2024/05/20/carbon-footprint-analyses-in-random-controlled-trials/>

New England Journal of Medicine: “Evaluation of new interventions typically involves conducting randomized, controlled trials (RCTs) that assess clinical benefits and harms. Only after clinical implementation, if at all, have the environmental effects of some interventions typically been assessed. We believe that an intervention’s carbon footprint should be examined in parallel with its clinical benefits and harms.”

### ***Environmental Industry***

**Green left gets uneasy that Jeff Bezos is giving \$10 billion to stop climate change — is that a “conflict of interest”?**

By Jo Nova, Her Blog, May 21, 2024

<https://joannenova.com.au/2024/05/green-left-gets-uneasy-that-jeff-bezos-is-giving-10-billion-to-stop-climate-change-is-that-a-conflict-of-interest/>

**There just might be 74 million reasons environmental charities ignore eagles and whales, and reject zero emission nuclear**

By Jo Nova, Her Blog, May 14, 2024

<https://joannenova.com.au/2024/05/there-just-might-be-74-million-reasons-environmental-charities-ignore-eagles-and-whales-and-reject-zero-emission-nuclear/>

### ***Other News that May Be of Interest***

**War Against the Weak: The Chilling Story of America’s Dark Dalliance with Eugenics**

By Janet Levy, American Thinker, May 10, 2024

[https://www.americanthinker.com/articles/2024/05/war\\_against\\_the\\_weak\\_the\\_chilling\\_story\\_of\\_america\\_s\\_dark\\_dalliance\\_with\\_eugenics.html](https://www.americanthinker.com/articles/2024/05/war_against_the_weak_the_chilling_story_of_america_s_dark_dalliance_with_eugenics.html)

“Nazi Germany wasn’t the first nation to be enamored with racial purity and a master race. It was America.”

“The underlying science was dubious and prevalent measures of intelligence faulty, but many elite scientists, medical experts, and educationists nevertheless crusaded for eugenics. Ten groups were chosen for elimination: the feebleminded, the pauper class, the deformed, the insane, the constitutionally weak, alcoholics, criminals, epileptics, those with defective sense organs, and those predisposed to specific diseases. Their extended families, believed to have “defective germ plasm,” were not to be spared.”

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**BELOW THE BOTTOM LINE**

### **Climate change likely to aggravate brain conditions**

Press Release, University College, London, May 15, 2024

<https://www.sciencedaily.com/releases/2024/05/240515225059.htm>

Climate change, and its effects on weather patterns and adverse weather events, is likely to negatively affect the health of people with brain conditions, argue a team of researchers.

Link to paper: **Climate change and disorders of the nervous system**

By Prof Sanjay M Sisodiya, et al., The Lancet, Neurology, June 2024

[https://www.thelancet.com/journals/lanneur/article/PIIS1474-4422\(24\)00087-5/abstract](https://www.thelancet.com/journals/lanneur/article/PIIS1474-4422(24)00087-5/abstract)

*[SEPP Comment: Send money now!]*

### **Oy, Now Climate Change Triggers Migraines**

By Charles Rotter, WUWT, May 19, 2024

<https://wattsupwiththat.com/2024/05/19/oy-now-climate-change-trigger-migraines/>

### **‘Climate change is here and it kills’: Lancet**

By Paul Homewood, Not a Lot of People Know That, May 15, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/15/climate-change-is-here-and-it-kills-lancet/>

### **Professor says we can stop emissions with a pandemic that kills billions**

By Jo Nova, Her Blog, May 17, 2024

<https://joannenova.com.au/2024/05/professor-says-we-could-stop-emissions-with-a-pandemic-that-killed-billions/>

*[SEPP Comment: He may be brutally honest, but when it comes to climate, he does not know what he is talking about.]*

### **Climate change is a human rights issue**

By Kuan-Wei Chen and Hoda Asgarian, The Conversation, May 20, 2024 [H/t Bernie Kepshire]

<https://theconversation.com/climate-change-is-a-human-rights-issue-228156>

Both authors receive funding from the Government of Australia

"It is well documented that runaway carbon dioxide emissions, deforestation, resource depletion and the acidification of the oceans have contributed to increased heatwaves and megadroughts, more frequent and violent storms and unseasonable precipitation.

Unpredictable weather patterns and swings in temperature disrupt ecosystems, wildlife and threaten agriculture and food production.

Simply put, climate change poses clear threats to human life by exacerbating “existing medical conditions such as cardiovascular, respiratory and kidney conditions or mental illnesses and stress.”

*Comments from Richard Courtney: “NO! HOW DARE THEY! NONE OF THOSE THINGS ARE ‘WELL DOCUMENTED’!*

*None of them - not any of them - has been substantiated: putting an assertion in writing does NOT mean the asserted effect is ‘well documented’.*

*Human rights are far, far too important for them to be diluted with dubious associations such as putative effects of ‘Climate Change’.”*

**1991: United Nations Calls For Genocide**

By Tony Heller, His Blog, May 22, 2024

<https://realclimatescience.com/2024/05/1991-united-nations-calls-for-genocide/#gsc.tab=0>

**Eco-friendly brake cables eaten by foxes after switch to soy insulation**

By Paul Homewood, Not a Lot of People Know That, May 11, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/11/eco-friendly-brake-cables-eaten-by-foxes-after-switch-to-soy-insulation/>

**Govt Scientist Says ‘Cull Human Population Using Pandemic’ to Slow Climate Change.**

By Jack Montgomery, The National Pulse [UK} May 18, 2024

<https://thenationalpulse.com/2024/05/13/govt-scientist-says-cull-human-population-using-pandemic-to-slow-climate-change/>

*[SEPP Comment: Time for leadership by example?]*

**U.N. Contributing Scientist: ‘Culling’ Human Population Could Avert Climate Catastrophe**

By P Gosselin, No Tricks Zone, May 15, 2024

<https://notrickszone.com/2024/05/15/u-n-contributing-scientist-culling-human-population-could-avert-climate-catastrophe/>

*[SEPP Comment: Is the UN racist?]*

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**NO ARTICLES This Week**