

**The Week That Was: 2025-06-21 (June 21, 2025)**  
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**The Science and Environmental Policy Project**

**Quote of the Week:** *“No government has the right to decide on the truth of scientific principles.”* — Richard Feynman, *The Meaning of It All: Thoughts of a Citizen-Scientist* (1998)

**Number of the Week: 35,000 MWh needed, 4.6 MWh approved**

**THIS WEEK:**

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

**Scope:** TWTW begins with a paper by Richard Lindzen and William Happer calling for a repeal of the misnamed Inflation Reduction Act (IRA) which provided hundreds of millions of dollars in subsidies to unreliable wind and solar. TWTW continues with the significant omissions in proclamations by NOAA and other organizations in claiming increasing carbon dioxide is acidifying the oceans. TWTW discusses assertions by organizations and individuals that climate misinformation should be criminalized, ignoring the fact that such organizations and individuals rely on information that fails to meet the standards of the scientific method. TWTW questions what is meant by an existential threat, then concludes with a presentation of part of the program of the upcoming DDP conference and where to register to attend in person or by Zoom.

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**Repeal IRA Subsidies:** Last week, TWTW focused on a paper by Richard Lindzen and William Happer emphasizing Gold Standard Science. “Scientific Knowledge Is Determined by the Scientific Method, Not by Government Opinion, Consensus, 97% of Scientists’ Opinions, Peer Review, Models that Do Not Work, or Cherry-Picked, Fabricated, Falsified or Omitted Contradictory Data.” This week, the CO2 Coalition published a paper by the same two authors titled “IRA Climate Subsidies Should Be Repealed.” The authors state:

*“Physics demonstrates that the Inflation Reduction Act’s (IRA’s) trillion-dollar climate subsidies rest on false science. The real science, which is virtually never reported, is that the IRA subsidies of \$4.7 trillion (Cato’s estimate to 2050) aim to reduce greenhouse gas (GHG) emissions will have no climate benefit, for two separate and cumulative reasons:*

*First, the physics of carbon dioxide and other greenhouse gases shows that reducing them to net zero will have a negligible effect on temperatures and extreme weather. At present, there are no effective replacements for fossil fuels, and eliminating them will be disastrous for people worldwide. The scientific fact is that doubling carbon dioxide in the atmosphere would increase the world’s food supply by about 40%, with a trivial effect on Earth’s climate.*

*Second, the theory that GHG emissions are the primary driver of climate change is based on false science, such as consensus, theoretical models that do not work, fabricated and falsified data, agenda-driven peer review and government opinions. None of this is real science. (See our*

*June 7, 2025, paper for details, Physics Demonstrates That Increasing Greenhouse Gases Cannot Cause Dangerous Warming, Extreme Weather or Any Harm.)*

*In summary, IRA subsidies will waste trillions of dollars for no climate benefit, reducing carbon dioxide emissions will reduce the amount of food worldwide, eliminating fossil fuels will be disastrous for people worldwide, and the trillions of dollars would be better spent improving Americans' standard of living.*

*Accordingly, all the IRA climate subsidies should be repealed ASAP."*

See link under Challenging the Orthodoxy.

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**Another Significant Omission:** The false Endangerment Finding by the EPA under Lisa Jackson in 2009 under the Obama Administration asserts: "elevated concentrations of greenhouse gases in the atmosphere may reasonably be anticipated to endanger the public health and to endanger the public welfare of current and future generations." The finding ignores or omits contradictory evidence including the only comprehensive global temperature data existing, the estimates of temperature from satellite evidence calculated since 1979 by Roy Spencer and John Christy and published monthly by the Earth System Science Center, University of Alabama in Huntsville (UAH).

Similar calculations by Remote Sensing Systems (RSS) independently verify their results. In 1998. Frank Wentz and Matthias Schabel of RSS discovered that UAH failed to correctly compensate for orbital drift. When the error was discovered and verified, Spencer and Christy quickly made appropriate adjustments, in keeping with the scientific method. Errors need to be exposed, verified, and corrected. Ignoring them or omitting them is contrary to the scientific method.

For years, NOAA's Office of Oceanic and Atmospheric Research has funded the Fluid Dynamics Laboratory (GFDL), a climate modeling laboratory at Princeton. NOAA also funds the Cooperative Institute for Modeling the Earth System (CIMES), which is a collaboration between GFDL and Princeton University. For over forty years, GFDL and CIMES have ignored UAH data and have omitted validating their models against atmospheric data, which is where the greenhouse gas effect occurs. NOAA funds organizations that systematically ignore the scientific method and fail to test their predictions against physical evidence. The findings of these organizations cannot be considered scientific.

Another NOAA activity that is considered scientific but fails the scientific method is ocean acidification which was boosted when environmental ecologist Jane Lubchenco was administrator of NOAA during the Obama administration from 2009 to 2013. The claim that adding carbon dioxide to the atmosphere will acidify the oceans contains a bit of scientific fact surrounded by a bodyguard of lies and omissions.

As a gas, water vapor contains no CO<sub>2</sub> and has a pH of 7 which is neutral. But when it liquefies in the atmosphere and falls as rain, it absorbs CO<sub>2</sub> making a weak acid, carbonic acid. All rain is carbonic acid and has a pH ranging from 4 to 6. Thus, it is common that in land areas with

moderate to heavy rainfall, such as the tropics, the soils are acidic. Millions of years of rainfall have washed CO<sub>2</sub> from the atmosphere into the oceans. Roughly, there is about 50 to 60 times more carbon dioxide in oceans than in the atmosphere. So, direct rainfall will slightly increase CO<sub>2</sub> in the oceans, slightly lowering the pH.

Yet after millions of years of rainfall, the oceans are alkaline with pH of about 8.1. A fact that NOAA and others ignore. To recall, the acidity or alkalinity of a solution is measured by the pH scale with 7 as neutral. The scale is a base 10 logarithm. Alkaline drain cleaner has a pH of about 14; bleach has a pH of about 13. Is bleach 10 times more acidic than alkaline drain cleaner? Hen eggs have a pH of about 8 (oceans 8.1); sweet cream butter has a pH of about 6.0 to 6.7. Does cooking eggs in butter make them acidic?

Further, the areas in the oceans, called Marine primary production areas or regions, are areas where ocean upwellings bring carbon dioxide and other nutrients to the surface and marine life flourishes. Examples are the Grand Banks in the Atlantic off Canada, the area off Monterey, California, off Canada and Alaska, and off most of Europe.

As with most such distortions, the claim of ocean acidification requires a huge ignorance of geological history. Mollusks evolved in the Cambrian explosion of life, about 540 million years ago, when CO<sub>2</sub> concentrations in the atmosphere were about ten times what they are today. Marine creatures with shells containing calcium carbonate evolved before then, with even higher concentrations of CO<sub>2</sub>. Great limestone beds were laid down during the hot, high CO<sub>2</sub> Cambrian period.

Reef building corals evolved around 245 million years ago. Since then, Earth has experienced periods far hotter than today and periods with CO<sub>2</sub> concentrations far greater than today. Reef-building corals have a symbiotic relationship with microscopic algae called zooxanthellae, which live within their tissues. The coral provides the algae with a protected environment and the carbon dioxide and nitrogen (for chlorophyll and other compounds) needed for photosynthesis, while the algae, through photosynthesis, provides the coral with energy, nutrients, and their vibrant colors. Changes in water temperatures, salinity, or solar irradiance can cause corals to expel the algae, turning them white. They are not dead but may need a different variety of zooxanthellae, which are diverse with many clades (groups of organisms believed to have a common ancestor) and types.

There is no reason to assume that a modest lowering of pH will kill corals any more than slow changes in temperatures will kill them. However, human causes including sediment from land disturbances and destructive fishing practices such as using dynamite and cyanide do kill them. Water running into the oceans for millions of years often passes over many types of alkaline material resulting in a pH of about 8.1, alkaline.

The best scientific explanation why increasing atmospheric concentrations of CO<sub>2</sub> will not acidify the oceans TWTW has seen was written by the late Roger Cohen and William Happer ten years ago. The paper is mathematical, but the summary is clear. The authors begin the section titled Alkalinity of the Unbuffered Ocean with:

*Ocean water is salty because of the weathering of the earth's rocks by rainwater, and because of salts dissolved from the ocean floor, especially near plate-spreading boundaries. The salt water contains positive ions (cations), mainly sodium  $\text{Na}^+$ , magnesium  $\text{Mg}^{2+}$ , calcium  $\text{Ca}^{2+}$  and potassium  $\text{K}^+$ . For clarity, we can think of the ions as coming from the strong bases  $\text{NaOH}$ , and potassium hydroxide,  $\text{KOH}$  (lye) and much less soluble magnesium hydroxide,  $\text{Mg}(\text{OH})_2$  and calcium hydroxide  $\text{Ca}(\text{OH})_2$  (slaked lime). The ocean also contains negative ions (anions), mainly chloride  $\text{Cl}^-$  and sulfate  $\text{SO}_4^{2-}$ , which we can think of the anions as coming from the strong acids, hydrochloric acid,  $\text{HCl}$  and sulfuric acid,  $\text{H}_2\text{SO}_4$ . For want of a better word, we will refer to the cations of strong bases, and anions of strong acids as pH-independent ions. The concentration of pH-independent ions is unaffected by normal changes in the pH of water.*

Further, the authors explain how weak acids (notably carbonic acid ( $\text{H}_2\text{CO}_3$ )) make rainwater slightly acidic, with a pH = 5.4 (vinegar has pH ~ 3). The authors estimate that if the oceans were not buffered by weak acids, the oceans would have a pH of about 11.4. The Summary states [figures not shown here, boldface added]:

*“This minimalist discussion already shows how hard it is to scare informed people with ocean acidification, but, alas, many people are not informed. For example:*

- The oceans would be highly alkaline with a pH of about 11.4, similar to that of household ammonia, if there were no weak acids to buffer the alkalinity. Almost all of the buffering is provided by dissolved  $\text{CO}_2$ , with very minor additional buffering from boric acid, silicic acid, and other even less important species.*
- Doubling atmospheric  $\text{CO}_2$  from the current level of 400 ppm to 800 ppm only decreases the pH of ocean water from about 8.2 to 7.9. This is well within the day-night fluctuations that already occur because of photosynthesis by plankton and less than the pH decreases with depth that occur because of the biological pump and the dissolution of calcium carbonate precipitates below the lysocline. [The depth where the rate of dissolution of calcium carbonate starts to increase significantly due to these changes in pressure and temperature.]*
- Doubling atmospheric  $\text{CO}_2$  from the current level of 400 ppm to 800 ppm only decreases the carbonate-ion concentration,  $[\text{CO}_3^{2-}]$ , by about 30%. Ocean surface waters are already supersaturated by several hundred per cent for formation of  $\text{CaCO}_3$  crystals from  $\text{Ca}^{2+}$  and  $\text{CO}_3^{2-}$ . **So, scare stories about dissolving carbonate shells are nonsense.***
- The ocean has only absorbed 1/3 or less of the  $\text{CO}_2$  that it would eventually absorb when the concentrations of  $\text{CO}_2$  in the deep oceans came to equilibrium with surface concentrations. **Effects like that of the biological pump and calcium carbonate dissolution below the lysocline allow the ocean to absorb substantially more than the amount that would be in chemical-equilibrium with the atmosphere.***
- Over most of the Phanerozoic, the past 550 million years,  $\text{CO}_2$  concentrations in the atmosphere have been measured in thousands of parts per million, and life flourished in both the oceans and on land. This is hardly surprising, given the relative insensitivity of ocean pH to large changes in  $\text{CO}_2$  concentrations that we have discussed above and given **the fact that the***

***pH changes that do occur are small compared to the natural variations of ocean pH in space and time.”***

This is another instance where US government “science” is so politicized that it becomes nonsense. See link under Challenging the Orthodoxy.

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**Censorship:** An organization called the International Panel on the Information Environment has produced a report titled: “Facts, Fakes, and Climate Science: Recommendations for Improving Information Integrity about Climate Science.” The Synopsis of the report states:

*Misleading information about the causes and consequences of climate change obstructs effective policy responses. This Summary for Policymakers summarizes findings from the larger Synthesis Report “Information Integrity about Climate Science: A Systematic Review” (SR2025.1).*

*The central conclusion of the Synthesis Report is that powerful actors—including corporations, governments, and political parties—intentionally spread inaccurate or misleading narratives about anthropogenic climate change. These narratives circulate across digital, broadcast, and interpersonal communication channels.*

*The result is a decline in public trust, diminished policy coordination, and a feedback loop between scientific denialism and political inaction.*

*There is a severe gap in research on climate information integrity in the Global South, where impacts are likely to be significant but poorly documented.*

*Key takeaways from the synthesis include:*

- 1. coordinated misinformation campaigns actively shape climate narratives;*
- 2. scientific consensus is frequently misrepresented in media;*
- 3. regulatory enforcement and access to data remain uneven globally;*
- 4. information integrity research is heavily concentrated in the Global North.*

*The report concludes with an assessment of policy recommendations that have been made over time, identifying for policymakers the four areas where impact has been consistently positive:*

- legislation to ensure standardized carbon reporting and labelling,*
- litigation to ensure enforcement of the standards,*
- coalition building across stakeholder groups,*
- education of policymakers and the public.*

*This study delivers the first global, systematic assessment of information integrity about climate science. It draws on research by hundreds of scholars and thousands of peer-reviewed studies published over the past decade, with a methodologically rigorous review of 300 papers on policy solutions.*

*This consolidated evidence base affirms a scientific consensus and specifies the urgent measures policymakers must enact to shield humankind—and the planet we depend on—from an accelerating climate threat.*

In short, this group proclaims that it understands scientific knowledge from “scientific consensus” and any group presenting physical evidence contradicting them should be punished.

This organization produced another report titled: “Information Integrity about Climate Science: A Systematic Review.” It claims that [citations omitted here but in report, boldface added]:

*“**The United Nations (UN) has played an important role in placing the issue of information integrity on public and policy agendas, including for the area of climate change. In 2024, the United Nations Global Principles for Information Integrity were presented; that year also witnessed the launch of the Global Initiative for Information Integrity on Climate Change, spearheaded by Brazil and coordinated through UNESCO. The Global Principles highlighted the need for ‘independent, free and pluralistic media’ around the world as vehicles of information and opinion formation. They also called for more “transparency and research” into whether and how traditional media and online communication platforms maintain information integrity in the public interest. That publication, however, stopped short of offering an explicit or operational definition of information integrity.***

***This consolidated evidence base affirms a scientific consensus and specifies the urgent measures policymakers (see SFP2025.2) must enact to shield humankind—and the planet we depend on—from an accelerating climate threat.”***

Writing in WUWT, Eric Worrall uncovered a UN Human Rights Council report that calls for punishment of those who oppose abandoning fossil fuels. The summary of the report states:

*“The present report clarifies States’ international human rights obligations and businesses’ responsibilities to phase out fossil fuels and related subsidies within the current decade. **The interlinked, intergenerational, severe and widespread human rights impacts of the fossil fuel life cycle, coupled with six decades of climate obstruction, compel urgent defossilization of our whole economies, for a just transition that is effective, human rights based and transformative in protecting the climate, nature, water and food on which life and health for present and future generations depend.**” [Boldface added]*

For example, Richard Lindzen and William Happer used the scientific method to expose the folly of Net Zero. Are they to be punished for producing physical evidence contradicting the claims of the UN organizations which, for years, have led the effort to abandon fossil fuels which are needed for reliable electricity, heat, and transportation?

Do UN bureaucrats and their defenders believe they have the right to determine the truth of scientific principles? The quote of the week is: “No government has the right to decide on the truth of scientific principles.” — Richard Feynman. If misinformation on the causes and extent of climate change becomes a criminal offence, would the UN be a criminal organization?

Has the UN become an advocate for causing destitute poverty and starvation (by prohibiting use of artificial fertilizer which produce greenhouse gases)? See links under Defending the Orthodoxy and Defending the Orthodoxy – Bandwagon Science

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**An Existential Threat?** It is commonplace for promoters of fear of climate change to call climate change an existential threat. But what the term means is not clear. Clinical psychologist Andrew Hartz provides an explanation of the use of existential threat. See Article # 1.

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**DDP Conference:** The 23rd annual meeting of the Doctors for Disaster Preparedness will be held in Tucson, Arizona, from July 4 to 6. The program features the 2022 Nobel co-Laureate in Physics John Clauser speaking on “Serious errors and fudges in the IPCC et al.’s global power balance structure, albedo, and climate feedback assessments.”

Other noted speakers of interest to TWTW readers include Willie Soon, “Measuring the Earth’s Energy Budget”; Michael Connolly “Balloons in the Air: Revisiting Atmospheric Physics, with Data”; Joe Leimkuhler, “Prospects for the U.S. Petroleum Industry”; Jim Steele “Understanding Natural Climate Dynamics Best Prepares Us for Weather Disasters”; and David Legates “9.5 Weeks: My Time in the White House.” For registration in person or by Zoom see

<https://aaps.wufoo.com/forms/q1f6wbjr18g6o47/>

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### SEPP’S APRIL FOOLS AWARD – THE JACKSON

It is time for voting on the Annual SEPP’s April Fools Award – the Jackson. The grand prize is a large lump of coal. Last year, the deserving winner of the lump of coal was the US National Science Teaching Association. In 2023, the Association banned the CO2 Coalition from its meeting which the Coalition members paid for and were approved because the CO2 Coalition exhibit pointed out that CO2 is essential for photosynthesis which is the food source of all complex life on Earth.

There are many strong candidates for this dubious honor including leaders of US scientific agencies who signed off on questionable reports on climate change. Get your votes in by June 29 with the reason why you recommend that person for the award. Send your vote to [Ken@Sepp.org](mailto:Ken@Sepp.org). If you wish, you will be anonymous. The award will be announced at the 43<sup>rd</sup> annual meeting of the Doctors for Disaster Preparedness on July 5-6. The decision of the judges is final.

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**Number of the Week: 35,000 MWh needed, 4.6 MWh approved.**

**DEMAND:** On June 20, the business day with the longest period of sunlight, the California Independent Systems Operator (CAISO) reported that the demand trend for electricity fell to its lowest point at about 12:30 pm (local time) with a demand of 19,500 MW. About 6:30 pm demand began peaking at 28,000 MW and remained there or above until 10 pm when it slowly fell to 25,000 MW. Except between about 10 am and 3 pm, demand did not go below 22,000 MW.

SUPPLY: On the same day, renewables (Solar, Wind, Geothermal, Biomass, Biogas, and Small Hydro) reached a near peak of about 25,000 MW at 8:30 am and remained there or more until 5:30 pm when they fell dramatically to about 7,500 MW at 8 pm where they remained the rest of the evening. When it is functioning solar is the biggest generator at over 18,000 MW with wind second at about 5,000 MW.

Large hydro provided an average of about 3,750 MW for the rest of the evening and Nuclear about 2,280 MW. The rest of the electricity came from imports (mostly coal and other fossil fuels), and batteries.

The government of California is trying to close its remaining nuclear power plant, small hydro and all fossil fuel power imports and rely on solar, wind, and storage.

On the longest business day of the year for sunshine, after 8:00 pm CAISO needed 28,000 MW of power until 10 pm when it slowly fell to 25,000 MW while renewables were delivering 7,500 MW and batteries were delivering between 7,000 and 8,000 MW until 10 pm when they declined.

Based on rough calculations, just for that evening (8 pm to midnight) CAISO needed 110,000 MWh of power while renewables delivered 30,000 MWh and the power delivered by large hydro alone was about 14,280 MWh. Thus, taking away nuclear, the shortfall would be about 35,000 MWh.

Existing batteries delivered about 27,000 MWh and California just approved the “World's Largest' Energy Storage Site” with 4,600 kWh (4.6 MWh) of battery storage with no costs given. If California goes net zero with no nuclear, what will California do on a cold, windless night in January? How will it replenish its batteries? If California cannot deliver the nuclear power needed by the Bonneville Power Administration to supplement its large hydro, will the Administration continue to deliver hydropower to California?

According to the US EIA, except for isolated Hawaii, residential electricity prices in California are already the highest in the country. In March, the US national average was 17.11 cents per kilowatt-hour, while in California it was 32.41 cents per kilowatt-hour and Hawaii 41.11. See <https://www.aiso.com/>, [https://www.eia.gov/electricity/monthly/epm\\_table\\_grapher.php?t=epmt\\_5\\_6\\_a](https://www.eia.gov/electricity/monthly/epm_table_grapher.php?t=epmt_5_6_a), and link under Alternative, Green (“Clean”) Energy – Storage.

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### **NEWS YOU CAN USE:**

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

#### **Contraction of the World's Storm-Cloud Zones the Primary Contributor to the 21st Century Increase in the Earth's Sunlight Absorption**

By George Tselioudis, et al., Geophysical Research Letters, June 8, 2025 [H/t Bernie Kepshire]

<https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2025GL114882>

### ***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>

#### **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>

#### **Dependence of Earth's Thermal Radiation on Five Most Abundant Greenhouse Gases**

By W.A. van Wijngaarden and W. Happer, Preprint, December 22, 2020

<https://wvanwijngaarden.info.yorku.ca/files/2020/12/WThermal-Radiationf.pdf?x45936>

#### **Radiation Transport in Clouds**

By W.A. van Wijngaarden and W. Happer, *Klimarealistene*, Science of Climate Change, January 2025

<https://scienceofclimatechange.org/wp-content/uploads/SCC-2025-vWijngaarden-Happer.pdf>

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

#### **Fundamentals of Ocean pH**

By Roger Cohen and William Happer, CO2 Coalition, Sep 18, 2015

<https://co2coalition.org/wp-content/uploads/2021/11/2015-Cohen-Happer-Fundamentals-of-Ocean-pH.pdf>

### **IRA Climate Subsidies Should Be Repealed**

By Richard Lindzen and William Happer, CO2 Coalition, June 17, 2025

<https://co2coalition.org/publications/ira-climate-subsidies-should-be-repealed/>

Paper in last week's TWTW:

### **Physics Demonstrates That Increasing Greenhouse Gases Cannot Cause Dangerous Warming, Extreme Weather or Any Harm**

By Richard Lindzen and William Happer, CO2 Coalition, June 13, 2025

<https://co2coalition.org/publications/physics-demonstrates-that-increasing-greenhouse-gases-cannot-cause-dangerous-warming-extreme-weather-or-any-harm/>

### **Climate Oscillations 1: The Regression**

By Andy May, WUWT, June 17, 2025

<https://wattsupwiththat.com/2025/06/17/climate-oscillations-1-the-regression/>

### **Net Zero Is An Engineering Fantasy—Michael Kelly**

By Paul Homewood, Not a Lot of People Know That, June 19, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/19/net-zero-is-an-engineering-fantasy-michael-kelly/>

Video 54 minutes with link to a summary.

### **Shunned by Sanctitudinous Science**

By Peter Smith, Quadrant, June 21, 2025

<https://quadrant.org.au/news-opinions/doomed-planet/shunned-by-sanctitudinous-science/>

*[SEPP Comment: Proposes an alternative hypothesis that the recent increase in atmospheric CO2 is from warming of the oceans. The problem with this hypothesis is: Why is the concentration of CO2 today significantly greater than the previous interglacial warm periods over the past 3 million years?]*

### **Rupert Darwall: World Leaders Took a Wrong Turn**

By Ron Clutz, His Blog, June 20, 2025

<https://rclutz.com/2025/06/20/rupert-darwall-world-leaders-took-a-wrong-turn/>

Video, Transcript by Clutz

Interviewer: When you think about the age of error, when do you think it began, can you set a date to that precisely?

Darwall: Yes, I think I can. Because in 2006 there was the meeting of the G8 which was in St Petersburg hosted by Vladimir Putin. And the leaders of the west along with Vladimir Putin signed up to a document called the St. Petersburg Principles of Energy Security. In that document the leaders of the west said that they needed to invest trillions of dollars across all the value chain, the whole oil and gas value chain.

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

### **UN Calls for “Climate Misinformation” to be Criminalised**

By Eric Worrall, WUWT, June 20, 2025

<https://wattsupwiththat.com/2025/06/20/un-calls-for-climate-misinformation-to-be-criminalised/>

Link to report: **Facts, Fakes, and Climate Science: Recommendations for Improving Information Integrity about Climate Science**

By E. Elbeyi, et al., International Panel on the Information Environment, June 2025

<https://www.ipie.info/research/sfp2025-2>

Link to UN report: **The imperative of defossilizing our economies**

Report of the Special Rapporteur on the promotion and protection of human rights in the context of climate change,

By Elisa Morgera, UN Human Rights Council, June 16 to July 11, 2025

<https://docs.un.org/en/A/HRC/59/42>

### **Human influence on climate detectable in the late 19th century**

Benjamin D. Santer, Susan Solomon, et al., PNAS, June 16, 2025 [H/t Bernie Kepshire]

<https://www.pnas.org/doi/10.1073/pnas.2500829122>

From the abstract: The physics of the heat-trapping properties of CO were established in the mid-19th century, as fossil fuel burning rapidly increased atmospheric CO levels. To date, however, research has not probed when climate change could have been detected if scientists in the 19th century had the current models and observing network. We consider this question in a thought experiment with state-of-the-art climate models.

*[SEPP Comment: A thought fantasy, not a thought experiment. The state-of-the-art climate models produce results that are wrong. Why bother with a thought experiment until the state-of-the-art models produce accurate predictions that are supported by physical evidence? Further, in the mid-19<sup>th</sup> century, Europe was emerging from the Little Ice Age which killed hundreds of thousands from starvation and related diseases. Why would warming be considered harmful to humanity? Finally, the authors cite the early work of Swedish chemist Svante Arrhenius but not his 1908 paper which admitted his early work was wrong. But he also misunderstood the chemistry of water vapor, it is not gaseous carbonic acid.]*

### **Warning signs on climate flashing bright red: Top scientists**

By Marlowe Hood, Phys.org, June 19, 2025

<https://phys.org/news/2025-06-climate-bright-red-scientists.html>

Link to paper: **Indicators of Global Climate Change 2024: annual update of key indicators of the state of the climate system and human influence**

By Piers Forster, et al. [60+] Earth System Science Data, Jun3 19, 2025

<https://essd.copernicus.org/articles/17/2641/2025/>

"Governments, financiers, and businesses must put this (report) in focus in the run-up to COP30 in Brazil," said David King, former UK Chief Scientific Advisor and Chair of the Climate Crisis Advisory Group.

### **World could soon hit 1.5 degree threshold**

By Rachel Frazin, The Hill, June 19, 2025

<https://thehill.com/policy/energy-environment/5359952-world-could-soon-hit-1-5-degree/>

Link to paper: **Indicators of Global Climate Change 2024: annual update of key indicators of the state of the climate system and human influence**

By Piers M. Forster, et al., Earth System Science Data, June 19, 2025

[https://essd.copernicus.org/articles/17/2641/2025/?email=467cb6399cb7df64551775e431052b43a775c749&emaila=12a6d4d069cd56cfddaa391c24eb7042&emailb=054528e7403871c79f668e49dd3c44b1ec00c7f611bf9388f76bb2324d6ca5f3&utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=06.19.25%20%E2%80%94%20Energy%20%26%20Environment%20--%20RF](https://essd.copernicus.org/articles/17/2641/2025/?email=467cb6399cb7df64551775e431052b43a775c749&emaila=12a6d4d069cd56cfddaa391c24eb7042&emailb=054528e7403871c79f668e49dd3c44b1ec00c7f611bf9388f76bb2324d6ca5f3&utm_source=Sailthru&utm_medium=email&utm_campaign=06.19.25%20%E2%80%94%20Energy%20%26%20Environment%20--%20RF)  
[SEPP Comment: Promoting a fabricated threshold. See link immediately above.]

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

#### **How the ‘Big Beautiful Bill’ positions US energy to be more costly for consumers and the climate**

By Daniel Cohan, Professor of Civil and Environmental Engineering, Rice University, The Conversation, June 10, 2025 [H/t Bernie Kepshire]

<https://theconversation.com/how-the-big-beautiful-bill-positions-us-energy-to-be-more-costly-for-consumers-and-the-climate-257783>

Link to the cited “Scientific Report”: **Renewable energy – powering a safer future**

By Staff, UN Climate Action, Accessed June 18, 2025

<https://www.un.org/en/climatechange/raising-ambition/renewable-energy>

From the “Scientific Report”: The science is clear: to avoid the worst impacts of climate change, emissions need to be reduced by almost half by 2030 and reach net-zero by 2050.

[SEPP Comment: What is “safer” about unreliable power?]

### **Misleading information on climate science delaying action: Report**

By Miranda Nazzaro, The Hill, June 19, 2025

[https://thehill.com/policy/technology/5359574-misleading-information-on-climate-science-delaying-action-report/?email=467cb6399cb7df64551775e431052b43a775c749&emaila=12a6d4d069cd56cfddaa391c24eb7042&emailb=054528e7403871c79f668e49dd3c44b1ec00c7f611bf9388f76bb2324d6ca5f3&utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=06.19.25%20%E2%80%94%20Energy%20%26%20Environment%20--%20RF](https://thehill.com/policy/technology/5359574-misleading-information-on-climate-science-delaying-action-report/?email=467cb6399cb7df64551775e431052b43a775c749&emaila=12a6d4d069cd56cfddaa391c24eb7042&emailb=054528e7403871c79f668e49dd3c44b1ec00c7f611bf9388f76bb2324d6ca5f3&utm_source=Sailthru&utm_medium=email&utm_campaign=06.19.25%20%E2%80%94%20Energy%20%26%20Environment%20--%20RF)

Link to report: **Information Integrity about Climate Science: A Systematic Review**

By E. Elbeyi, et al., International Panel on the Information Environment, 2025

[https://cdn.prod.website-files.com/643ecb10be528d2c1da863cb/68541b1613026bbfd94181b9\\_SR2025.1%20-%20Information%20Integrity%20about%20Climate%20Science.pdf](https://cdn.prod.website-files.com/643ecb10be528d2c1da863cb/68541b1613026bbfd94181b9_SR2025.1%20-%20Information%20Integrity%20about%20Climate%20Science.pdf)

[SEPP Comment: Physical Evidence? We don’t need no stinking physical evidence. If the UN says it, it’s true.]

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

#### **What If The Foundation Of The Climate Scare Was A Calculated Lie?**

I & I Editorial Board, June 18, 2025

<https://issuesinsights.com/2025/06/18/what-if-the-foundation-of-the-climate-scare-was-a-calculated-lie/>

Maybe we’ve reached a Solzhenitsyn moment in which we know they’re lying, they know they’re lying, and they even know that we know they’re lying. And they still don’t care, because for them it’s all about raw political power and the acquisition of other people’s money.

### **The Carbon Isotope Fingerprint Just Got Smudged – and I Owe Some of You an Apology**

By Charles Rotter, WUWT, June 17, 2025

<https://wattsupwiththat.com/2025/06/17/the-carbon-isotope-fingerprint-just-got-smudged-and-i-owe-some-of-you-an-apology/>

Link to previous post: **Settled Science Springs a Leak: Rivers Reveal the Carbon Cycle's Dirty Secret**

By Charles Rotter, WUWT, June 16, 2025

<https://wattsupwiththat.com/2025/06/16/settled-science-springs-a-leak-rivers-reveal-the-carbon-cycles-dirty-secret/>

Link to paper: **Old carbon routed from land to the atmosphere by global river systems**

By Joshua F. Dean, et al., Nature, June 4, 2025

<https://www.nature.com/articles/s41586-025-09023-w>

### **Three Years To Save The World!**

By Paul Homewood, Not a Lot of People Know That, June 19, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/19/three-years-top-save-the-world/>

There is not the slightest evidence that global temperatures now are any higher than many other periods in recent human history, or that the climate is any worse than in pre-industrial, Little Ice Age times.

### **Elon's Hockey Stick**

By Tony Heller, His Blog, June 18, 2025

<https://realclimatescience.com/2025/06/elons-hockey-stick/#gsc.tab=0>

*[SEPP Comment: Compared with Primary energy consumption by source (from Our World in Data), China is a real hockey stick.]*

### **G7 Meets in a Carbon-Rich Paradise to Demand Less Carbon**

By Frits Byron Soepyan, CO2 Coalition, June 19, 2025

<https://co2coalition.org/2025/06/19/g7-meets-in-a-carbon-rich-paradise-to-demand-less-carbon/>

### **#LookItUp: How much warming we save by cutting emissions**

By John Robson, Climate Discussion Nexus, June 18, 2025

<https://climatediscussionnexus.com/2025/06/18/lookup-how-much-warming-we-save-by-cutting-emissions/>

Link to: **Calculate the Temperature Changes for Alternative Carbon Dioxide-Reduction Policies**

By Staff, Heritage Foundation, June 17, 2024

<https://calculators.heritage.org/climate/calculate-the-temperature-changes-for-alternative-carbon-dioxide-reduction-policies/>

From Robson: It could be a great way to motivate people around you to join the efforts to prevent climate change. Or not, once they see how tiny the effects are in the alarmists' own calculations. For instance, if we assume climate sensitivity to a doubling of atmospheric CO2 is a 3°C temperature increase, and that the US cuts its emissions right away by 40 percent, by the year 2100 global warming will have been reduced by... 0.06 degrees C. Put that in your thermometer and measure it.

***Social Benefits of Carbon Dioxide***

## **Effect of 300 ppm extra CO2 on Eastern Purple Cornflower**

By John Robson, Climate Discussion Nexus, June 18, 2025

<https://climatediscussionnexus.com/2025/06/18/effect-of-300-ppm-extra-co2-on-eastern-purple-cornflower/>

From the CO2Science Archive:

### ***Problems in the Orthodoxy***

#### **Decarbonization Myth Frays as Hydrocarbon Use Grows**

By Vijay Jayaraj, CO2 Coalition, June 20, 2025

<https://co2coalition.org/2025/06/20/decarbonization-myth-frays-as-hydrocarbon-use-grows/>

However, the energy sector in China cares little about these fantasies. Beijing began building 94.5 gigawatts (GW) of new coal-powered capacity in 2024, in addition to resuming 3.3 GW of suspended projects. This is the highest level of construction in the past 10 years!

As recently as May, China deployed the world's largest fleet of driverless mining trucks to fast-track efficient operations, partially to overcome the challenging conditions of harsh winter weather at the Yimin coal mine in northeastern Inner Mongolia.

#### **Oceans absorb 30% of our emissions, driven by a huge carbon pump. Tiny marine animals are key to working out its climate impacts**

Marine life known as zooplankton might be the biggest problem with getting carbon cycling right in climate models. The potential variations in carbon uptake are greater than global transport emissions.

By Shadwick, Rohr and Richardson, Commonwealth Scientific and Industrial Research Organisation (CSIRO), June 16, 2023

<https://www.csiro.au/en/news/all/articles/2023/june/oceans-absorb-emissions>

Link to paper: **Zooplankton grazing is the largest source of uncertainty for marine carbon cycling in CMIP6 models**

By Tyler Rohr, et al., Nature, Communications Earth & Environment, June 14, 2023

<https://www.nature.com/articles/s43247-023-00871-w>

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

#### **What Did We Expect Would Happen?**

THB Insider #20 - My Oslo talk on how science became so political in the United States

By Roger Pielke Jr., His Blog, June 18, 2025

[https://rogerpielkejr.substack.com/p/what-did-we-expect-would-happen?utm\\_source=post-email-title&publication\\_id=119454&post\\_id=166242091&utm\\_campaign=email-post-title&isFreemail=true&r=f7h7&triedRedirect=true&utm\\_medium=email](https://rogerpielkejr.substack.com/p/what-did-we-expect-would-happen?utm_source=post-email-title&publication_id=119454&post_id=166242091&utm_campaign=email-post-title&isFreemail=true&r=f7h7&triedRedirect=true&utm_medium=email)

### ***Science, Policy, and Evidence***

#### **Deep-sea mining next arena for U.S. – China global rivalry**

By Bonner Cohen, CFACT, June 12, 2025

<https://www.cfact.org/2025/06/12/deep-sea-mining-next-arena-for-u-s-china-global-rivalry/>

The Law of the Sea Treaty, as it is commonly known, established the International Seabed Authority (ISA), the U.N. body that governs deep-sea resources, largely through licenses it issues to eligible countries (169) that have ratified the treaty.

*[SEPP Comment: “The Convention is finalized on December 10, 1982, [that year] President Reagan states that the United States will not sign the Convention due to its provisions relating to deep seabed mining. Negotiation of an Agreement to modify the deep seabed mining provisions of the Convention. Agreement is finalized on July 28, 1994.” Despite President Bush latter urging signing a revised Convention, the Senate never did.]*  
<https://www.state.gov/law-of-the-sea-convention/>

### ***Measurement Issues -- Atmosphere***

#### **Global Temperature Report**

Earth System Science Center, UAH, May 2025

<https://www.nsstc.uah.edu/climate/>

Map: [https://www.nsstc.uah.edu/climate/2025/MAY2025/202505\\_Map.png](https://www.nsstc.uah.edu/climate/2025/MAY2025/202505_Map.png)

Graph: [https://www.nsstc.uah.edu/climate/2025/MAY2025/202505\\_Bar.png](https://www.nsstc.uah.edu/climate/2025/MAY2025/202505_Bar.png)

Text: [https://www.nsstc.uah.edu/climate/2025/MAY2025/GTR\\_202505MAY\\_v1.pdf](https://www.nsstc.uah.edu/climate/2025/MAY2025/GTR_202505MAY_v1.pdf)

For the last seven months the global temperature has been fairly steady at  $+0.55\text{ C} \pm 0.1\text{ C}$ . The 46+ year trend remains at  $+0.15\text{ C/decade}$ , but we note the value is  $+0.155\text{ C/decade}$ , so we added another decimal point in the header. We estimate the error range of this trend over 46+ years at  $\pm 0.03\text{ C/decade}$  which renders the third decimal inconsequential.

### ***Changing Weather***

#### **Water Shortage? Blame It On Climate Change!!**

By Paul Homewood, Not a Lot of People Know That, June 19, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/19/water-shortage-blame-it-on-climate-change/>

Quite how they think they can get away with such bare-faced lies is a mystery. They clearly don't want to put too much emphasis on mass immigration, which has forced up population numbers, even though they now assume population in England will rise by 8 million in the next thirty years.

But lying about climate change is now a stock in trade for government.

*[SEPP Comment: See link immediately below.]*

#### **Droughts To Cause Flooding!**

By Paul Homewood, Not a Lot of People Know That, June 19, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/19/droughts-to-cause-flooding/>

*[SEPP Comment: See the link immediately above.]*

### **March in June**

By Cliff Mass, Weather Blog, June 18, 2025

<https://cliffmass.blogspot.com/2025/06/march-in-june.html>

This cool, moist period will help suppress any wildfire starts, resulting in a continuation of a BELOW-AVERAGE wildfire season in Washington State.

### ***Changing Climate***

#### **Ancient climate shifts reveal warning signs for modern drought risks**

By Clarence Oxford, Los Angeles CA (SPX) Jun 16, 2025

[https://www.terraily.com/reports/Ancient\\_climate\\_shifts\\_reveal\\_warning\\_signs\\_for\\_modern\\_drought\\_risks\\_999.html](https://www.terraily.com/reports/Ancient_climate_shifts_reveal_warning_signs_for_modern_drought_risks_999.html)

Link to paper: **Southern Hemisphere subtropical front impacts on Southern African hydroclimate across the Mid-Pleistocene Transition**

By Claire B. Rubbelke, et al., Nature Communications, Apr 12, 2025

<https://www.nature.com/articles/s41467-025-58792-5>

"We found that when the climate has changed dramatically in the past, it produced shifts analogous to the Day Zero drought," Bhattacharya said. "This suggests that those types of events are really driven by global climate change."

*[SEPP Comment: The Day Zero drought was 5 years, the length of dry periods during the 550,000 years study is not given. How do you separate short term droughts from long-term climate change which includes long-term droughts?]*

### **Signs of hope?**

By John Robson, Climate Discussion Nexus, June 18, 2025

<https://climatediscussionnexus.com/2025/06/18/signs-of-hope/>

Link to **14 Ancient Climates That Challenge Today's Predictions**

By Jan Otte, MSN, Accessed June 18, 2025

<https://www.msn.com/en-ca/weather/topstories/14-ancient-climates-that-challenge-today-s-predictions/ss-AA1Grzeu#image=22>

Still, we thank them for putting so much on the table that alarmists cannot with decency or prudence ignore, and in our view also cannot explain. And for underlining that when it comes to climate, you need history to avoid being an ignoramus.

### **Europe through the Holocene: warmer and wetter than the present**

By John Robson, Climate Discussion Nexus, June 18, 2025

<https://climatediscussionnexus.com/2025/06/18/europe-through-the-holocene-warmer-and-wetter-than-the-present/>

Link to paper: **Tree-ring stable isotopes from the European Alps reveal long-term summer drying over the Holocene**

By Tito Arosio, et al., AAAS Science Advances, Apr 4, 2025

<https://www.science.org/doi/pdf/10.1126/sciadv.adr4161>

### ***Changing Seas***

**May 2025 Two Years of Ocean Cooling Persists**

By Ron Clutz, His Blog, June 19, 2025

<https://rclutz.com/2025/06/19/may-2025-two-years-of-ocean-cooling-persists/>

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

**Climate Change Weekly # 547 — Polar Ice Is Not Following the Climate Crisis Narrative**

By H. Sterling Burnett, Heartland Institute, June 20, 2025

<https://heartland.org/opinion/climate-change-weekly-547-polar-ice-is-not-following-the-climate-crisis-narrative/>

**Good News (If You Like Freezing)! Antarctica Sees More Snowfall, Record Low Temps!**

By P Gosselin, No Tricks Zone, June 14, 2025

<https://notrickszone.com/2025/06/14/good-news-if-you-like-freezing-antarctica-sees-more-snowfall-record-low-temps/>

[SEPP Comment: Based on a 2024 report.]

### **New Study: Antarctic Ice Sheet Melt Will Lead To Widespread Cooling, Sea Ice Expansion**

By Kenneth Richard, No Tricks Zone, June 16, 2025

<https://notrickszone.com/2025/06/16/new-study-antarctic-ice-sheet-melt-will-lead-to-widespread-cooling-sea-ice-expansion/>

Link to paper: **Robustness and Mechanisms of the Atmospheric Response Over the Southern Ocean to Idealized Freshwater Input Around Antarctica**

By Xiaoqi Xu, et al., Geophysical Research Letters,

<https://agupubs.onlinelibrary.wiley.com/doi/pdfdirect/10.1029/2024GL113734>

### ***Changing Earth***

#### **Earthquake Near Iran Nuclear Site: Natural Event or Hidden Test?**

By Anthony Watts, WUWT, June 20, 2025

<https://wattsupwiththat.com/2025/06/20/earthquake-near-iran-nuclear-site-natural-event-or-hidden-test/>

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

#### **Climate change cuts crop yields, even with adaptation efforts: Study**

By Sharon Udasin, The Hill, June 18, 2025

<https://thehill.com/policy/equilibrium-sustainability/5356956-climate-change-crop-yields-farmers-corn-rice-wheat/>

Link to paper: **Impacts of climate change on global agriculture accounting for adaptation**

By Andrew Hultgren, et al., Nature, June 18, 2025

<https://www.nature.com/articles/s41586-025-09085-w>

“Farmers know how to maintain the soil, invest in infrastructure, repair the barn,” [co-author] Hsiang said. “But if you’re letting the climate depreciate, the rest of it is a waste. The land you leave to your kids will be good for something, but not for farming.”

[SEPP Comment: Statistical nonsense that ignores the benefits of CO2 fertilization and farmer adaption by using cultivars, a cultivated slightly different variety, often called hybrids.]

### ***Lowering Standards***

#### **Public Ridicule Hyped Summer Heat Headlines...Meteorologists Losing Credibility**

By P Gosselin, No Tricks Zone, June 18, 2025

<https://notrickszone.com/2025/06/18/public-ridicule-hyped-summer-heat-headlines-meteorologists-losing-credibility/>

Meteorologists are discovering that if they want to get attention from the media and more clicks and likes (short term), then all they have to do is announce fictional heatwaves that weather models routinely hallucinate 10-14 days out. “Temperatures could soar to 40°C!” [104°F]

#### **The Truth About Minimum Temperature Increases**

By Cliff Mass, Weather Blog, June 16, 2025

<https://cliffmass.blogspot.com/2025/06/the-truth-about-minimum-temperature.html>

The Seattle Times this week published an article, *Seattle Nights Are Getting Hotter*, that irresponsibly exaggerates the effects of global warming on minimum temperatures in our region. This sponsored "journalism" by the infamous Seattle Times ClimateLab, is based on a report by a well-known climate change advocacy group, Climate Central.

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

#### **A weak wind**

By John Robson, Climate Discussion Nexus, June 18, 2025

<https://climatediscussionnexus.com/2025/06/18/a-weak-wind/>

So, what has the *Washington Post* to say on the quietest hurricane season globally since 1970? Why, it was completely quiet about it. (As it was on "climate" save for a mention of a prediction from the Climate Prediction Center.) Unless you count "This spurt of activity shows no signs of ending for now."

Yes. "This spurt of activity" is actually how they describe the quietest start to a season in more than half a century. Satire can't keep up. And no matter how cynical you get, it's not enough.

#### **Major Errors in Seattle Times ClimateLab Article on Sea-level Rise**

By Cliff Mass, Weather Blog, June 20, 2025

<https://cliffmass.blogspot.com/2025/06/major-errors-in-seattle-times.html>

My frustration with the often false, misleading, and exaggerated information pushed by the Seattle Times ClimateLab is frequently expressed in this blog, but the tall tales provided this week is worth a rating of at least four Pinocchios.

The story suggests that the Samish Tribe of NW Washington has to "race" to document their heritage sites because rising sea level and "intensifying storm surges" remove any chance to understand their significance."

In reality, none of this is true.

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

#### **Researchers discover microplastics at all ocean depths**

New NSF-supported study helps inform efforts to safeguard fisheries and protect human health

Press Release, NSF, June 16, 2025

[https://www.nsf.gov/news/researchers-discover-microplastics-all-ocean-depths?utm\\_medium=email&utm\\_source=govdelivery](https://www.nsf.gov/news/researchers-discover-microplastics-all-ocean-depths?utm_medium=email&utm_source=govdelivery)

Link to paper: **The distribution of subsurface microplastics in the ocean**

By Shiye Zhao, et al., *Nature*, April 30, 2025

<https://www.nature.com/articles/s41586-025-08818-1>

From the abstract: Although microplastics can be found throughout the oceanic water column<sup>3,4</sup>, most studies collect microplastics from surface waters (less than about 50-cm depth) using net tows. Consequently, our understanding of the microplastics distribution across ocean depths is more limited. Here we synthesize depth-profile data from 1,885 stations collected between 2014 and 2024 to provide insights into the distribution and potential transport mechanisms of subsurface (below about 50-cm depth, which is not usually sampled by traditional practices) microplastics throughout the oceanic water column.

[SEPP Comment: According to the NAS press release, *speculating from discoveries at a few inches deep is discovering facts at 36,000 feet deep?*]

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

#### **May be hot, maybe not**

By John Robson, Climate Discussion Nexus, June 18, 2025

<https://climatediscussionnexus.com/2025/06/18/may-be-hot-maybe-not/>

Point zero six above 2020? Can they say with a straight face that they've measured global temperature comprehensively to that degree of precision? Of course not. We're not even buying the 0.1, let alone the 2 that followed it. As for that estimated 1850-1900 average, as we've said before, if you think we know the temperature for every square foot of what was then the Belgian Congo in 1873, or the mid-Pacific, or for that matter Rome, you are a chump or worse.

#### **IRA Incentives Fuel U.S. Solar Manufacturing Surge**

By Aaron Larson, Power Mag, June 11, 2025

[https://www.powermag.com/ira-incentives-fuel-u-s-solar-manufacturing-surge/?utm\\_source=omeda&utm\\_medium=email&utm\\_campaign=pwrrenewable+eletter&oly\\_enc\\_id=7809H6412578J0B](https://www.powermag.com/ira-incentives-fuel-u-s-solar-manufacturing-surge/?utm_source=omeda&utm_medium=email&utm_campaign=pwrrenewable+eletter&oly_enc_id=7809H6412578J0B)

The centerpiece of this revival is the IRA's comprehensive package of tax incentives designed to **rebuild America's solar supply chain**. The domestic content bonus tax credit offers project developers an additional 10% on top of the base 30% investment tax credit (ITC) when they use U.S.-made components. This creates demand-side pull for domestically manufactured solar products. According to U.S. Treasury Department data, more than \$196 billion in clean power investments have been announced since the IRA's passage, demonstrating the market's strong response to these incentives. [Boldface added]

*[SEPP Comment: More deceit, America never had a solar supply chain to rebuild.]*

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

#### **Amber Alerts For Sunny Weather**

By Paul Homewood, Not a Lot of People Know That, June 19, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/19/amber-alerts-for-sunny-weather/>

“Amber heat health alerts are in place across the whole of England with temperatures likely to exceed 30C [86F] for the first time this year.”

Meanwhile back in the real world, summer remains the season when deaths tolls are at their lowest:

#### **‘Climate Grieving’ at UK Centre for Climate Psychology**

By Robert Bradley Jr., Master Resource, June 17, 2025

<https://www.masterresource.org/climate-exaggeration/climate-craziness/>

The organization has a flagship book, **Climate, Psychology and Change: Reimagining Psychotherapy in an Era of Global Disruption and Climate Anxiety**.

#### **Climate Disobedience Waning?**

By Robert Bradley Jr., Master Resource, June 19, 2025

<https://www.masterresource.org/climate-extremism/climate-disobedience-2025/>

Link to: **Resolute nonviolent climate action**

By Staff, Declare Emergency, Accessed June 20, 2025

<https://www.declareemergency.org/>

From Declare Emergency: Billions of people will starve to death in the coming decades, as elites fill our atmospheric “gas chamber” with fossil fuels for power and profit. Our food systems will break down. Billions will be forced out of their homes and countries. This means war, starvation, slaughter, and rape on a global scale. And the collapse is coming here, too.

The science is clear: the use of fossil fuels must end, immediately, if we hope to survive. Instead of leading the transition, our government gambles our future on unproven technologies and hopeful thinking... while quietly continuing to fund and facilitate the fossil fuel death project.

### *Questioning European Green*

#### **Kathryn Porter Reviews The Spanish Blackouts Report**

By Paul Homewood, Not a Lot of People Know That, June 20, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/19/kathryn-porter-reviews-the-spanish-blackouts-report/>

Link to: **Should NESO [UK Electrical system operator] be allowed to lower its minimum inertia requirement?**

By Kathryn Porter, Watt-Logic, June 18, 2025

<https://watt-logic.com/2025/06/18/should-neso-be-allowed-to-lower-its-minimum-inertia-requirement/>

From Porter: Whether this ambition will be possible even with the dodgy carbon accounting rules is unclear. In the summer months, gas power stations are often turned up by the system operator in order to stabilize the grid, providing important inertia to control voltage across the network. Throughout the summer, NESO has observed unexplained voltage oscillations (which I will discuss in another post – this is being held up by junk frequency data being reported to Elexon which has yet to be corrected, despite Elexon requesting re-submission), including on the day before the Iberian blackout. These oscillations can, in extreme circumstances, cause the type of grid failure that led to the loss of eleven lives on 28 April in Spain and Portugal.

#### **Spain’s Impossible Dream Of ‘Green’ Electricity**

By Paul Driessen, WUWT, June 17, 2025

<https://wattsupwiththat.com/2025/06/17/spains-impossible-dream-of-green-electricity/>

#### **How Much Does The UK Govt Spend On Net Zero**

By Paul Homewood, Not a Lot of People Know That, June 17, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/15/how-much-does-the-uk-govt-spend-on-net-zero/>

But even the quantifiable costs above add up to £24 billion a year, excluding Sizewell C [Nuclear power plant]. And this does not even include the cost of subsidizing renewable energy, which is paid for via our electricity bills.

### *Questioning Green Elsewhere*

#### **G-7: Africans Deserve Real Electricity**

By Brenda Shaffer, Real Clear Energy, June 17, 2025

<https://www.realclearenergy.org/articles/2025/06/17/g-7-africans-deserve-real-electricity-1116894.html>

Data on electricity access in U. S. government, IEA, World Bank, and UN reports should be categorized as reliable or not. Africans receiving a few hours a day of unreliable power should not be counted as achieving full electricity access.

### **‘Net Zero’ Is Collapsing in U.S. States**

By Steve Goreham, Master Resource, June 16, 2025

<https://www.masterresource.org/goreham-steve/net-zero-dreams-collapsing-us-states/>

### **Tidbits**

By John Robson, Climate Discussion Nexus, June 18, 2025

<https://climatediscussionnexus.com/2025/06/18/tidbits-115/>

So, how’s that green transition working for you? Oh. Not so good? For instance, from way down south we hear that “The initial cost of producing green hydrogen from Australia’s two largest projects will be more than four times the price of rival energy sources, posing a fresh setback for Labor’s bid to deliver a major new export industry by 2030 and meet net-zero goals.” And you told us you had it all figured out.

### **Blockbuster: Mark Carney, Mr Net-Zero-Banker himself, now uses oil, gas to make Canada an Energy SuperPower**

By Jo Nova, Her Blog, June 17, 2025

<https://joannenova.com.au/2025/06/blockbuster-mark-carney-mr-net-zero-banker-himself-now-uses-oil-gas-to-make-canada-an-energy-superpower/>

The US is the world’s top producer of oil at the moment, with 44 billion barrels of oil in reserve. Amazingly Canada has four times as much — or 171 billion barrels of oil in recoverable reserves, says the Telegraph. It’s amazing how stupid rich countries can be — to leave, as Alberta’s premier says, “\$9 trillion worth of oil wealth we have in the ground”?

Speaking of stupid, perhaps the greatest and saddest irony is that Mark Carney once was the green-extreme Governor of the Bank of England. And while there, he helped tie the UK down in carbon markets and energy transitions that still cripple their economy.

### ***Green Jobs***

#### **High electricity costs trigger closure of major UK wind turbine supplier**

By Paul Homewood, Not a Lot of People Know That, June 18, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/18/high-electricity-costs-trigger-closure-of-major-uk-wind-turbine-supplier/>

So much for all those green jobs then!

### ***Funding Issues***

#### **EXCLUSIVE: Biden’s ‘Gold Bars’ Went To Politically-Connected Orgs Over Internal Red Flags, Watchdog Finds**

By Audrey Streb, Daily Caller, June 17, 2025

<https://dailycaller.com/2025/06/17/biden-billions-gold-bars-epa-connected-nonprofits-internal-red-flags-watchdog/>

#### **DOGE is missing a trillion dollars a year in regulatory costs**

By David Wojick, CFACT, June 16, 2025

<https://www.cfact.org/2025/06/16/doge-is-missing-a-trillion-dollars-a-year-in-regulatory-costs/>

### **Global Banks Increase Fossil-Fuel Funding as Climate Pledges Crumble**

New report shows that banks poured nearly \$900 billion into financing coal, oil and gas projects in 2024

By Elena Vardon, WSJ, June 17, 2025 [Requires subscription]

[https://www.wsj.com/articles/global-banks-increase-fossil-fuel-funding-as-climate-pledges-crumble-9bbafce4?mod=energy-oil\\_news\\_article\\_pos5](https://www.wsj.com/articles/global-banks-increase-fossil-fuel-funding-as-climate-pledges-crumble-9bbafce4?mod=energy-oil_news_article_pos5)

Link to: **Banking on Climate Chaos**

By Staff, Rainforest Action Network and the Sierra Club, et al., June 2025

[https://www.bankingonclimatechaos.org/wp-content/uploads/2025/06/BOCC\\_2025\\_FINAL3.pdf](https://www.bankingonclimatechaos.org/wp-content/uploads/2025/06/BOCC_2025_FINAL3.pdf)

### ***Litigation Issues***

#### **Supreme Court Allows Energy Producers to Sue California Over Emissions Rules**

A federal appeals court previously ruled that the companies challenging the regulations lacked standing to sue.

By Matthew Vadum, The Epoch Times, June 20, 2025 [H/t Bernie Kepshire]

[https://www.theepochtimes.com/us/supreme-court-allows-energy-producers-to-sue-california-over-emissions-rules-5875902?utm\\_source=Goodevening&src\\_src=Goodevening&utm\\_campaign=gv-2025-06-20&src\\_cmp=gv-2025-06-20&utm\\_medium=email&est=nlw%2FMoDXGDjqozGtugvdA%2FJI%2FcnSFAxhQdy2YOj9zD1W9tkvVfWUB%2FXPog%3D%3D](https://www.theepochtimes.com/us/supreme-court-allows-energy-producers-to-sue-california-over-emissions-rules-5875902?utm_source=Goodevening&src_src=Goodevening&utm_campaign=gv-2025-06-20&src_cmp=gv-2025-06-20&utm_medium=email&est=nlw%2FMoDXGDjqozGtugvdA%2FJI%2FcnSFAxhQdy2YOj9zD1W9tkvVfWUB%2FXPog%3D%3D)

#### **Supreme Court rejects Texas’s bid to ax nuclear waste storage site**

By Rachel Frazin, The Hill, June 18, 2025

<https://thehill.com/policy/energy-environment/5356903-supreme-court-texas-nuclear-waste/>

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

#### **End the EPA’s Endangerment Finding**

By H. Sterling Burnett, American Thinker, June 19, 2025

[https://www.americanthinker.com/articles/2025/06/end\\_the\\_epa\\_s\\_endangerment\\_finding.html](https://www.americanthinker.com/articles/2025/06/end_the_epa_s_endangerment_finding.html)

#### **Trump’s EPA Ending Obama-Biden War on the American Energy Industry**

EPA Administrator Lee Zelding proposing end to Obama-Biden “Clean Power Plan” and reverting back to more reasonable mercury levels set in 2012, which were amended in 2024.

By Leslie Eastman, Legal Insurrection, June 15, 2025

<https://legalinsurrection.com/2025/06/trumps-epa-ending-obama-biden-war-on-the-american-energy-industry/>

Environmental fearmongering based on pseudoscience no longer has the power it once had.

### ***Energy Issues – Non-US***

#### **Spanish Blackouts Due To “Miscalculation”!**

By Paul Homewood, Not a Lot of People Know That, June 18, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/18/spanish-blackouts-due-to-miscalculation/>

“The massive power cut that plunged huge swathes of Spain and Portugal into chaos earlier this year was caused by a miscalculation, the Spanish government has said.”

No, Sky, it was not a miscalculation. It was the inevitable result of running the grid mainly on highly variable, low inertia renewables.

That in turn was the consequence of deliberate government policy.

What will happen then, when Spain has succeeded in finally shutting down all of its gas plants?

### **The Lethal Fog of Clean-Air Hypocrisy**

By Vijay Jayaraj, CO2 Coalition, June 18, 2025

<https://co2coalition.org/2025/06/18/the-lethal-fog-of-clean-air-hypocrisy/>

Why do environmental extremists expect Nairobi, Dhaka or Lagos to skip the rational evolution of energy use that so benefited the lives and economies of the U.K. – and of many other western nations? Why do they think an African mother should wait decades – or forever – to cook without smoke?

The answer lies in an elitist worldview that treats energy as a lifestyle choice rather than a lifeline.

### **America as a Reliable Energy Partner**

By Fred H. Hutchison, Real Clear Energy, June 19, 2025

[https://www.realclearenergy.org/articles/2025/06/19/america\\_as\\_a\\_reliable\\_energy\\_partner\\_1117527.html](https://www.realclearenergy.org/articles/2025/06/19/america_as_a_reliable_energy_partner_1117527.html)

The statement that drew the fierce rebuttal was that “for fifty years Europe saw Russia as a reliable natural gas supplier... and now there is growing concern that Europe may be headed towards over reliance on liquefied natural gas (LNG) from the United States.”

### **NESO Winter Outlook**

By Paul Homewood, Not a Lot of People Know That, June 20, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/18/neso-winter-outlook/>

“The National Energy System Operator (Neso), which oversees Britain’s electricity grid, said it would import power from France and other nearby European neighbors this winter to help backstop the network.”

Homewood: NESO don’t publish the actual numbers – this will wait till their full Outlook later in the year. But they are projecting around 15 GW of renewables, which looks grossly optimistic. There will be no solar power generated when demand peaks in early evening, and we have regularly seen wind power drop to less than 2 GW. (Biomass, it appears, is included under thermal).

### **DESNZ Spending Budget To Rise To £12.6 Billion A Year**

By Paul Homewood, Not a Lot of People Know That, June 14, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/14/desnz-spending-budget-to-rise-to-12-6-billion-a-year/>

DESNZ stands for the Department for Energy Security and Net Zero.

### ***Energy Issues – Australia***

**Australian coal plants falling apart due to neglect, Wind power useless — “We nearly saw widespread outages”**

By Jo Nova, Her Blog, June 19, 2025

<https://joannenova.com.au/2025/06/transgrid-boss-weve-stripped-all-our-buffers-we-nearly-saw-widespread-outages/>

The Victorian state electricity grid is running close to the wire

The Queensland government told the Victorian government off, saying it couldn't keep "bailing out Victoria's bad decisions".

### **Victoria's Renewable Grid Buckles Under a Brutal Cold Snap**

By Eric Worrall, WUWT, June 15, 2025

<https://wattsupwiththat.com/2025/06/15/victorias-renewable-grid-buckles-under-brutal-cold-snap/>

Victoria has some of the largest coal and gas deposits in Australia, but exploitation of these energy supplies has been retarded by the green ideology of the politicians who run Victoria.

### **The Crocodile Man's Comeuppance**

By Peter Purcell, Quadrant, June 20, 2025

<https://quadrant.org.au/news-opinions/from-our-archives/barossa-case-the-crocodile-mans-comeuppance/>

The judgment, which can be read in full here, has significant implications for the exploration and development projects, for groups seeking to exploit Aboriginal culture to oppose these projects, and for the broader Australian public.

*[SEPP Comment: Lengthy post on litigation trying to stop development of offshore gas fields based on imaginary claims by academics.]*

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

#### **The Most Amazing Climate Policy Figure**

And we don't even understand it

By Roger Pielke Jr., The Honest Broker, June 16, 2025

[https://rogerpielkejr.substack.com/p/the-most-amazing-climate-policy-figure?utm\\_source=post-email-title&publication\\_id=119454&post\\_id=166020515&utm\\_campaign=email-post-title&isFreemail=true&r=f7h7&triedRedirect=true&utm\\_medium=email](https://rogerpielkejr.substack.com/p/the-most-amazing-climate-policy-figure?utm_source=post-email-title&publication_id=119454&post_id=166020515&utm_campaign=email-post-title&isFreemail=true&r=f7h7&triedRedirect=true&utm_medium=email)

*[SEPP Comment: Solar and wind need reliable backup; thus, they cannot account for the decline in coal. The coupling of hydraulic fracturing (fracking) with horizontal drilling (both opposed by the green industry) has done more to reduce US emissions of carbon dioxide than all the foolish energy policies of the Obama and Biden administrations.]*

### **Natural Gas Projects Reboot After Officials Wake Up to Stark Realities**

By Gary Abernathy, Real Clear Energy, June 19, 2025

[https://www.realclearenergy.org/articles/2025/06/19/natural\\_gas\\_projects\\_reboot\\_after\\_officials\\_wake\\_up\\_to\\_stark\\_realities\\_1117107.html](https://www.realclearenergy.org/articles/2025/06/19/natural_gas_projects_reboot_after_officials_wake_up_to_stark_realities_1117107.html)

The New York pipeline saga is a microcosm of the challenges facing the country, thanks to the misguided priorities of the climate cult. Local government officials from coast to coast would be wise to acknowledge what New York officials seem to be realizing: Building the delivery system for natural gas is delivering on the promise of affordable and reliable energy for all.

### **Texas Gas Power Boom**

By Paul Homewood, Not a Lot of People Know That, June 20, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/20/texas-gas-power-boom/#more-87275>

Link to press release: **Wave of 130 TX Gas Power Plant Projects Could Emit the Climate Pollution of 27 Million Cars**

By Darrell Proctor, Power Mag, June 13, 2025

[https://www.powermag.com/report-says-130-new-gas-fired-power-projects-proposed-in-texas/?utm\\_source=omeda&utm\\_medium=email&utm\\_campaign=pwrnews+eletter&oly\\_enc\\_id=7809B9474578C8R](https://www.powermag.com/report-says-130-new-gas-fired-power-projects-proposed-in-texas/?utm_source=omeda&utm_medium=email&utm_campaign=pwrnews+eletter&oly_enc_id=7809B9474578C8R)

Link to report: **A Pollution Footprint the Size of Texas: The Lone Star State's Gas Plant Boom**

By Griffin Bird and Staff, Environmental Integrity Project, June 11, 2025

[https://environmentalintegrity.org/wp-content/uploads/2025/06/EIP\\_Report\\_APollutionFootprinttheSizeofTexas\\_6.11.25-1.pdf](https://environmentalintegrity.org/wp-content/uploads/2025/06/EIP_Report_APollutionFootprinttheSizeofTexas_6.11.25-1.pdf)

Additional Report: **Texas Also Illegally Rubber-Stamping Air Pollution Control Permits for Large Gas-Fired Power Plants**

Press release: Environmental Integrity Project, June 11, 2025

<https://environmentalintegrity.org/news/wave-of-130-tx-gas-power-plant-projects-could-emit-the-climate-pollution-of-27-million-cars/>

From Conclusions section in the Footprint report: Texas is heading in the wrong direction to power its future. Building more natural gas infrastructure and power plants would saddle Texas' growing population with more health-harming pollution and contribute planet-warming greenhouse gases while the state is already experiencing more intense droughts, higher temperatures, and more extreme weather events.

From Homewood: The Greenies are throwing their toys out of the pram because Texas is planning to build dozens of new gas power stations.

**A Beautiful Bill for a Brighter Future: Powering America With American Energy**

By Addison McDowell, Real Clear Energy, June 17, 2025

[https://www.realclearenergy.org/articles/2025/06/17/a\\_beautiful\\_bill\\_for\\_a\\_brighter\\_future\\_powering\\_america\\_with\\_american\\_energy\\_1116975.html](https://www.realclearenergy.org/articles/2025/06/17/a_beautiful_bill_for_a_brighter_future_powering_america_with_american_energy_1116975.html)

**“The Freedom to Buy Inefficient Products”: A Rebuttal**

By Mark Krebs, Master Resource, June 18, 2025

<https://www.masterresource.org/krebs-mark/inefficient-products-rebuttal-hass/>

*[SEPP Comment: Explaining the huge marginal cost for a small marginal increase in efficiency.]*

**Going on Offense Against Electric Grid Attacks**

By Paul Steidler, Real Clear Energy, June 19, 2025

[https://www.realclearenergy.org/articles/2025/06/19/going\\_on\\_offense\\_against\\_electric\\_grid\\_attacks\\_1117655.html](https://www.realclearenergy.org/articles/2025/06/19/going_on_offense_against_electric_grid_attacks_1117655.html)

China can be expected to pursue the paths of least resistance for electric grid cyber penetration. It likely perceives that America's 900 local electric cooperatives are more vulnerable entry points through which greater systemic damage can occur. Smaller water utilities are also a ripe target.

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

## **Saving the Grid, Not the Slogans: Trump Halts Dam Demolition**

By Charles Rotter, WUWT, June 16, 2025

<https://wattsupwiththat.com/2025/06/16/saving-the-grid-not-the-slogans-trump-halts-dam-demolition/>

## **STEVE MILLOY: President Trump Moves To End The War On Coal**

By Steve Milloy, Daily Caller, June 15, 2025

<https://dailycaller.com/2025/06/15/opinion-president-trump-moves-to-end-the-war-on-coal-steve-milloy/>

## **Trump administration proposes expansion of Arctic drilling**

By Rachel Frazin, The Hill, June 17, 2025

<https://thehill.com/policy/energy-environment/5355925-trump-alaska-arctic-drilling-national-petroleum-reserve/>

This 23-million-acre area was set aside by former President Warren G. Harding as an emergency supply of oil for the Navy. **It contains areas that have significance to tribes** and that are home to animals including grizzly bears, polar bears, caribou — making drilling there controversial. *[SEPP Comment: Apparently the local tribes what to share in the benefits that drilling can yield.]*

## ***Return of King Coal?***

### **Big, beautiful coal is here to stay**

By Vijay Jayaraj, American Thinker, June 18, 2025

[https://www.americanthinker.com/blog/2025/06/big\\_beautiful\\_coal\\_is\\_here\\_to\\_stay.html](https://www.americanthinker.com/blog/2025/06/big_beautiful_coal_is_here_to_stay.html)

India is on track to burn twice as much coal as the U.S. and Europe put together -- possibly within the year -- while China has already surged ahead, consuming 30% more coal than every other nation combined.

## **Congress Must Defend America’s Coal Backbone—Before the Lights Go Out**

By Terry L. Headley, Real Clear Energy: June 19, 2025

[https://www.realclearenergy.org/articles/2025/06/19/congress\\_must\\_defend\\_americas\\_coal\\_backbonebefore\\_the\\_lights\\_go\\_out\\_1117702.html](https://www.realclearenergy.org/articles/2025/06/19/congress_must_defend_americas_coal_backbonebefore_the_lights_go_out_1117702.html)

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

### **Talen, Amazon Launch \$18B Nuclear PPA—A Grid-Connected IPP Model for the Data Center Era**

By Sonal Patel, Power Mag, June 12, 2025

<https://www.powermag.com/talen-amazon-launch-18b-nuclear-ppa-a-grid-connected-ipp-model-for-the-data-center-era/>

That surge in demand, however, has also intensified scrutiny of how new data center load is integrated into the grid. The flashpoint is centered on when large customers seek to bypass conventional transmission planning and cost allocation by co-locating directly with generation sources. That practice, often framed as “behind-the-meter” or “non-network” load development, has raised concerns from grid operators, utilities, and regulators who argue that even ostensibly self-supplied data centers still rely on the broader grid for backup, balancing, and reliability services.

*[SEPP Comment: Why should consumers who need and maintain the grid full time give access to those who do not maintain it full time?]*

### **Meta Deal with Constellation Will Keep Illinois Nuclear Plant Open**

By Darrell Proctor, Power Mag, June 3, 2025

[https://www.powermag.com/meta-deal-with-constellation-will-keep-illinois-nuclear-plant-open/?utm\\_source=omeda&utm\\_medium=email&utm\\_campaign=pwrnews+eletter&oly\\_enc\\_id=7809H6412578JOB](https://www.powermag.com/meta-deal-with-constellation-will-keep-illinois-nuclear-plant-open/?utm_source=omeda&utm_medium=email&utm_campaign=pwrnews+eletter&oly_enc_id=7809H6412578JOB)

### ***Alternative, Green (“Clean”) Solar and Wind***

#### **The Senate Can Do This One Thing to Ensure U.S. Energy Dominance**

By Neil Chatterjee, Real Clear Energy, June 16, 2025

[https://www.realclearenergy.org/articles/2025/06/16/the\\_senate\\_can\\_do\\_this\\_one\\_thing\\_to\\_ensure\\_us\\_energy\\_dominance\\_1116889.html](https://www.realclearenergy.org/articles/2025/06/16/the_senate_can_do_this_one_thing_to_ensure_us_energy_dominance_1116889.html)

On the energy front, the benefit of transferability is clear. The ultimate goal of energy tax credits is not to reduce tax burdens, but to help companies bring a larger amount of lower-cost and cleaner energy to the market — benefiting the American people. Cash is often preferable to tax credits in accomplishing that goal.

The third policy is all the more relevant given this demand surge: restoring support for solar leasing companies. Solar leasing directly benefits U.S. homeowners by allowing them to install panels on their property with a monthly payment plan instead of swallowing the upfront cost.

**Not only does rooftop solar drive down consumer electricity costs, but it also gives Americans more independence by helping them to get off the grid and cut their reliance on utility companies.** [Boldface added]

*[SEPP Comment: Special pleading for subsidies providing part-time electricity. What about consumers who live in multistory apartment buildings?]*

### **The Risk of Political Rebranding in the Clean Energy Industry**

By Stamatis Astra, Power Mag, June 11, 2025

[https://www.powermag.com/the-risk-of-political-rebranding-in-the-clean-energy-industry/?utm\\_source=omeda&utm\\_medium=email&utm\\_campaign=pwrrenewable+eletter&oly\\_enc\\_id=7809H6412578JOB](https://www.powermag.com/the-risk-of-political-rebranding-in-the-clean-energy-industry/?utm_source=omeda&utm_medium=email&utm_campaign=pwrrenewable+eletter&oly_enc_id=7809H6412578JOB)

The U.S. solar industry has increasingly begun to rebrand itself as “MAGA-friendly,” emphasizing cost savings, energy independence, and job creation over climate concerns. This shift marks a departure from its traditionally left-leaning roots, as companies attempt to appeal to conservative consumers and policymakers.

### **Study: Mining Minerals to Support Renewable Energy is Wrecking the Environment**

By Eric Worrall, WUWT, June 15, 2025

<https://wattsupwiththat.com/2025/06/15/study-mining-minerals-to-support-renewable-energy-is-wrecking-the-environment/>

Link to paper: **Metal mining is a global driver of environmental change**

By Stefan Giljum, et al., Nature Reviews Earth & Environment, June 12, 2025

<https://www.nature.com/articles/s43017-025-00683-w>

## **Trump Administration Plans to Finance \$120 Million Rare Earths Mining Project in Greenland**

Meanwhile, Ford struggles with supply of rare earth magnets as geologists question if there are truly significant mineral deposits under the Arctic island.

By Leslie Eastman, Legal Insurrection, June 16, 2025

<https://legalinsurrection.com/2025/06/trump-administration-plans-to-finance-120-million-rare-earths-mining-project-in-greenland/>

## **The greatest oxymoron statement of all time: ‘Renewable Energy’**

By Ronald Stein and Roger Caiazza, America Out Loud News, June 16, 2025

<https://www.americaoutloud.news/the-greatest-oxymoron-statement-of-all-time-renewable-energy/>

Wind and solar projects that generate electricity under favorable weather conditions only exist because of government subsidies that finance these projects. To date, none of the wind and solar projects around the world have ever been financed with private capital, as there is no return on such investments. Claims that renewables are cheaper overlook the costs of backing up those sources when the sun does not shine and the wind does not blow. When included, costs are much higher.

## **If We Want to Beat China, We Must Build American Energy – Fast**

By John Szoka, Real Clear Energy, June 17, 2025

[https://www.realclearenergy.org/articles/2025/06/17/if\\_we\\_want\\_to\\_beat\\_china\\_we\\_must\\_build\\_american\\_energy\\_fast\\_1116895.html](https://www.realclearenergy.org/articles/2025/06/17/if_we_want_to_beat_china_we_must_build_american_energy_fast_1116895.html)

Conservatives must lead the charge in **reshoring solar manufacturing**, modernizing the U.S. grid, and building an energy system that’s fast, **secure**, affordable, and American-made. The opportunity to establish American energy dominance is now, and the stakes could not be higher.

[Boldface added]

*[SEPP Comment: What is secure about a power source the fails every night?]*

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

### **£2 Billion UK Hydrogen Plant Cancelled**

By Paul Homewood, Not a Lot of People Know That, June 17, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/17/2-billion-uk-hydrogen-plant-cancelled/>

## **XGS Energy, Meta Partner for 150-MW Advanced Geothermal Project**

Press Release, Power Mag, June 13, 2025

[https://www.powermag.com/xgs-energy-meta-partner-for-150-mw-advanced-geothermal-project/?utm\\_source=omeda&utm\\_medium=email&utm\\_campaign=pwrrenewable+eletter&oly\\_enc\\_id=7809H6412578JOB](https://www.powermag.com/xgs-energy-meta-partner-for-150-mw-advanced-geothermal-project/?utm_source=omeda&utm_medium=email&utm_campaign=pwrrenewable+eletter&oly_enc_id=7809H6412578JOB)

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

### **Next Generation Batteries Are Imminent**

By Edward Ring, What’s Current, Accessed June 18, 2025

<https://mailchi.mp/calpolicycenter/whats-current-issue-7860427?e=cd9fa89d1e>

*[SEPP Comment: Does not discuss the costs of large-scale storage batteries, the big unknown.]*

## **'World's Largest' Energy Storage Site Approved as Part of California Solar Project**

By Darrell Procter, Power Mag, June 13, 2025

[https://www.powermag.com/worlds-largest-energy-storage-site-approved-as-part-of-california-solar-project/?utm\\_source=omeda&utm\\_medium=email&utm\\_campaign=pwrrenewable+eletter&oly\\_enc\\_id=7809H6412578JOB](https://www.powermag.com/worlds-largest-energy-storage-site-approved-as-part-of-california-solar-project/?utm_source=omeda&utm_medium=email&utm_campaign=pwrrenewable+eletter&oly_enc_id=7809H6412578JOB)

The California Energy Commission (CEC) has approved the Darden Clean Energy Project, which the agency said is the first to be fast-tracked under the group's Opt-In Certification program. The commission said the installation features 1,150 MW, or 4,600 kWh, of battery energy storage, along with a 1,150-MW solar array with about 3.1-million panels.

*[SEPP Comment: As usual, Power Mag. fails to mention the cost of the facility.]*

## ***Alternative, Green ("Clean") Vehicles***

### **The LA Riots Aren't Gavin Newsom's Biggest Defeat—That'd Be the EV Mandate**

A coalition devoted to consumer choice scores major victory for constitutional government, thanks to President Trump and congressional Republicans.

By Kevin Mooney, Real Clear Energy, June 18, 2025

[https://www.realclearenergy.org/articles/2025/06/18/the\\_la\\_riots\\_arent\\_gavin\\_newsoms\\_biggest\\_defeatthatd\\_be\\_the\\_ev\\_mandate\\_1116977.html](https://www.realclearenergy.org/articles/2025/06/18/the_la_riots_arent_gavin_newsoms_biggest_defeatthatd_be_the_ev_mandate_1116977.html)

## ***Carbon Schemes***

### **DOE Scraps \$3.7B in OCED Projects, Upending Carbon Capture Progress at Power Plants**

By Sonal Patel, Power Mag, June 4, 2025

[https://www.powermag.com/doe-scraps-3-7b-in-oced-projects-upending-carbon-capture-progress-at-power-plants/?utm\\_source=omeda&utm\\_medium=email&utm\\_campaign=pwrnews+eletter&oly\\_enc\\_id=7809H6412578JOB](https://www.powermag.com/doe-scraps-3-7b-in-oced-projects-upending-carbon-capture-progress-at-power-plants/?utm_source=omeda&utm_medium=email&utm_campaign=pwrnews+eletter&oly_enc_id=7809H6412578JOB)

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

### **GRADE guidelines: 9. Rating up the quality of evidence**

By Gordon H Guyatt, et al., Journal of Clinical Epidemiology, 2011 [H/t John Dale Dunn, MD]

<https://pubmed.ncbi.nlm.nih.gov/21802902/>

### **Wildfires may be accelerating the spread of infectious disease by keeping US West residents indoors: Study**

By Sharon Udasin, The Hill, June 18, 2025

<https://thehill.com/policy/equilibrium-sustainability/5357867-wildfires-infectious-disease-western-states/>

### **Link to paper: Disruption of outdoor activities caused by wildfire smoke shapes circulation of respiratory pathogens**

By Beatriz Arregui-García, et al., PLOS.Climate, June 18, 2025

[https://journals.plos.org/climate/article?id=10.1371/journal.pclm.0000542&utm\\_source=pr&utm\\_medium=email&utm\\_campaign=plos006](https://journals.plos.org/climate/article?id=10.1371/journal.pclm.0000542&utm_source=pr&utm_medium=email&utm_campaign=plos006)

*[SEPP Comment: What does a severe winter do?]*

### ***Other Scientific News***

#### **First invertebrate astronomers found? Australian Bogong moths use stars to navigate 1,000-kilometer trip**

By Jo Nova, Her Blog, June 20, 2025

<https://joannenova.com.au/2025/06/first-invertebrate-astronomers-australian-bogong-moths-use-stars-to-navigate-1000-kilometer-trip/>

Link to paper: **Bogong moths use a stellar compass for long-distance navigation at night**

By David Dreyer, et al., Nature, June 18, 2025

<https://www.nature.com/articles/s41586-025-09135-3>

From the abstract: Our results suggest that Bogong moths use stellar cues and the Earth's magnetic field to create a robust compass system for long-distance nocturnal navigation towards a specific destination.

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### **BELOW THE BOTTOM LINE**

#### **Latest Climate News**

By Tony Heller, His Blog, June 14, 2025

<https://realclimatescience.com/2025/06/latest-climate-news/#gsc.tab=0>

*[SEPP Comment: Not from the Babylon Bee?]*

Labour climate envoy racks up 76,000 air miles in eight months

By Paul Homewood, Not a Lot of People Know That, June 17, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/17/labour-appoints-climate-envoy-with-links-to-biggest-donor/>

”Rachel Kyte travelled by airplane on more than a dozen trips since becoming the Government’s top diplomat for net zero in September, despite admitting her carbon footprint was ‘a source of deep discomfort.’”

Homewood: Of course, the million-dollar question is how much money Ms. Kyte’s employers at Quadrature Capital are making out of the climate scam.

#### **OFGEM’s Brearley Lies About Renewables**

By Paul Homewood, Not a Lot of People Know That, June 18, 2025

<https://notalotofpeopleknowthat.wordpress.com/2025/06/18/ofgems-brearley-lies-about-renewables/>

There was a time when OFGEM [the government Office of Gas and Electricity Markets] prime consideration was the customer!

#### **We're in hot water**

By John Robson, Climate Discussion Nexus, June 18, 2025

<https://climatediscussionnexus.com/2025/06/18/were-in-hot-water/>

According to the New York Times climate change is helping make submarines invisible. Which is a mighty strange story since... it appears to be saying climate change will do something good? No.

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## ARTICLES

### 1. Why Is Everything an Existential Crisis?

At the bottom of the vogue for this exotic term may be the basic human fear of death.

By Andrew Hartz. WSJ, June 16, 2025

[https://www.wsj.com/opinion/why-is-everything-an-existential-crisis-mental-health-politics-meaning-5a469a24?mod=opinion\\_feat2\\_commentary\\_pos2](https://www.wsj.com/opinion/why-is-everything-an-existential-crisis-mental-health-politics-meaning-5a469a24?mod=opinion_feat2_commentary_pos2)

TWTW Summary: The clinical psychologist and the founder of the Open Therapy Institute begins with:

*“So-called existential risks seem to be everywhere. Climate change, artificial intelligence, nuclear war, pandemics and more threaten to return us to nothingness. Most people using this term aren’t consciously evoking the philosophy of Sartre or Camus. Still, they may be drawing on associations with existentialism more than they realize and unconsciously expressing deeper concerns about morality and meaning.*

*In psychoanalysis, it isn’t unusual for a word to have an unconscious double meaning. For example, a patient in therapy might say that she can’t ‘bear’ children. She could consciously mean that she’s unable to get pregnant, while also unconsciously communicating that she can’t stand children. Or a grieving patient who’s struggling to find the right word might say, ‘I’m at a loss.’*

*Similarly, the word ‘existential’ points to catastrophic global threats, but it also echoes the concerns of existentialist philosophy, which addresses a range of topics from freedom to alienation. But the term is most strongly linked in the public imagination to issues of death and meaning. Saying an issue is ‘existential’ can express that it’s deeply tied to one’s fear of dying and need for purpose.*

*We don’t have to overthink every word we say or hear, but there are signals that a word may have an unconscious double meaning. Therapists tend to think this phenomenon is most likely to occur when a word is used in an odd way—when it’s emotionally charged, when it’s repeated excessively or when it has clear resonance with one’s psychological concerns.*

*The recent political use of the word ‘existential’ seems to check every box. People in the U.S. are shouting about how politics is ‘existential’ at the same time that American society is suffering from a marked crisis of purpose. The term is strange and was used rarely in the past, but its use has been increasing as people have become less able to tolerate the risks and uncertainties of life.*

*Recent events—the pandemic, geopolitical conflicts, the increasing secularization of society—could have triggered Americans’ existential concerns. Perhaps other factors are at play as well. For many, social-media platforms intensify feelings of insignificance. A loneliness epidemic might heighten anxieties about meaning. Distrust of authority can lead to feelings of confusion and insecurity. Whatever the causes, the sense that everything is an existential crisis is likely exacerbated by the increasing emotional fragility of younger generations.*

*A prominent psychological theory, Terror Management Theory, posits that all people have anxiety about their mortality and that they cope with it in predictable ways. A robust body of evidence indicates that when people are reminded of their death, they try to boost their self-esteem, take steps to create a legacy and defend their worldview—be it secular or religious.*

*An extension of this theory is that people cope with anxiety about death by focusing their fears onto something more tangible, such as a current political cause. That cause can then become emotionally loaded with all of their anxiety and distress about mortality. This temporarily makes their anxiety feel more manageable, but it's likely to contribute to fanaticism and emotional dysregulation around politics.*

*Political causes aimed at tackling 'existential' risks are often associated with safety culture. People seem to have an unconscious hope that regulations could protect them from ever dying. Sometimes, these rules and rituals even take on an obsessive-compulsive quality, as if the repetitions will magically stave off unknown risks. Many Covid practices had this flavor."*

The author states the most clinicians think that fears of annihilation are fundamental influences on behavior which results in outlooks such as the world is going to be destroyed. He then concludes with:

*"Often, people come to yearn for an omnipotent state as the means to protect them from all their fears. They imagine total state control to protect them from all the internal feelings they can't tolerate. Anxieties like this can easily become fodder for authoritarianism.*

*Politics won't solve our deeper problems. Meaning and purpose have to be found on one's own, and people must develop ways to manage the uncertainties and risks of life. This can be challenging, but it's the only path toward fulfillment, wisdom and freedom—to say nothing of mental health."*