

**ENVIRONMENTAL AND ENERGY DIVISION**  
**NEWSLETTER**  
**16 NOV. 2015**

If you need older URLs contact George at ghh@att.net.

Please Note: "This newsletter contains articles that offer differing points of view regarding climate change, energy and other environmental issues. Any opinions expressed in this publication are the responses of the editor alone and do not represent the positions of the Environmental and Energy Engineering Division or the ASME."

**George Holliday**

**A. ENVIRONMENT 1. VLADIMIR PUTIN; CLIMATE AND POLITICAL REALIST?**

Guest opinion: Dr. Tim Ball

The Daily Caller headline said, Russia's Putin Says Global Warming Is 'A Fraud.' What Putin is doing and saying is nothing new. He always knew that the IPCC climate was wrong he simply changed his political position as the situation dictated. Soviet and latterly Russian climatologists are far better than...

<http://wattsupwiththat.com/2015/10/30/vladimir-putin-climate-and-political-realist/>

**2. GREENLAND ICE MELT DUE TO 'GLOBAL WARMING' FOUND NOT SO BAD AFTER ALL**

From the UNIVERSITY OF EDINBURGH and the "note the soot on the ice in the image they included above" department: Satellites shed light on Greenland Ice Sheet response to warming Parts of Greenland's ice sheet have been found to be less vulnerable to climate warming than was thought – a discovery that could have a...

<http://wattsupwiththat.com/2015/10/30/greenland-ice-melt-due-to-global-warming-found-not-so-bad-after-all/>

**3. LIMP BLIMP CRIMPS GREEN ENERGY PIMPS**

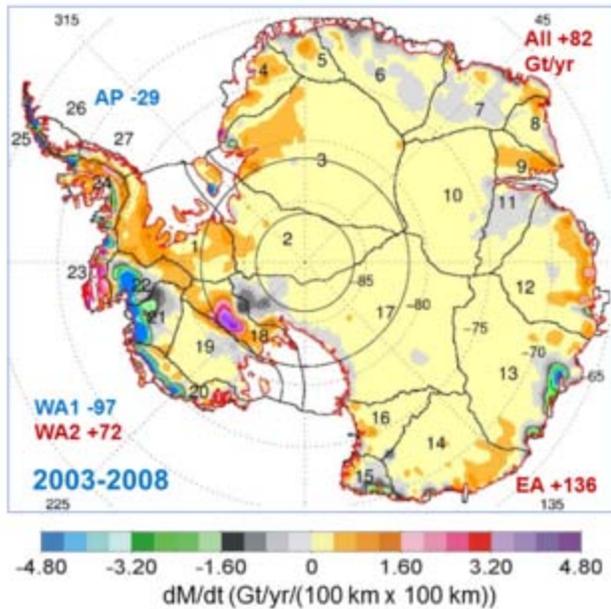
A runaway JLENS aerostat highlights the uncertainty and risks of pie-in-the-sky green energy schemes. Guest essay by Tom Scott One reason that a fragile naked human species has adapted to conditions in every corner of every continent is its ingenuity. Its is simply impossible to know the limits of homo

<http://wattsupwiththat.com/2015/10/29/limp-blimp-crimps-green-energy-pimps/>

**4. NASA STUDY: MASS GAINS OF ANTARCTIC ICE SHEET GREATER THAN LOSSES**

A new NASA study says that Antarctica is overall accumulating ice. Still, areas of the continent, like the Antarctic Peninsula photographed above, have increased their mass loss in the last decades.

*Credits: NASA's Operation IceBridge*



Map showing the rates of mass changes from ICESat 2003-2008 over Antarctica. Sums are for all of Antarctica: East Antarctica (EA, 2-17); interior West Antarctica (WA2, 1, 18, 19, and 23); coastal West Antarctica (WA1, 20-21); and the Antarctic Peninsula (24-27). A gigaton (Gt) corresponds to a billion metric tons, or 1.1 billion U.S. tons.

*Credits: Jay Zwally/ Journal of Glaciology*

A new NASA study says that an increase in Antarctic snow accumulation that began 10,000 years ago is currently adding enough ice to the continent to outweigh the increased losses from its thinning glaciers. <http://www.nasa.gov/feature/goddard/nasa-study-mass-gains-of-antarctic-ice-sheet-greater-than-losses>

## **5. FRENCH MATHEMATICS SOCIETY DECLARES CLIMATE CRUSADE 'POINTLESS'**

The Paris-based French Mathematical Calculation Society, SA, in a white paper examining the evidence for catastrophic human-caused climate change, has determined:

There is not a single fact, figure or observation that leads us to conclude that the world's climate is in any way 'disturbed'. It is variable, as it has always been, but rather less so now than during certain periods or geological eras. Modern methods are far from being able to accurately measure the planet's global temperature even today, so measurements made 50 or 100 years ago are even less reliable. Concentrations of CO<sub>2</sub> vary, as they always have done; the figures that are being released are biased and dishonest. Rising sea levels are a normal phenomenon linked to upthrust buoyancy; they are nothing to do with so-called global warming. As for extreme weather events – they are no more frequent now than they have been in the past. We ourselves have processed the raw data on hurricanes.

The study concludes human efforts to prevent climate change are pointless, stating, "we are fighting for a cause (reducing CO<sub>2</sub> emissions) that serves absolutely no purpose. ... You would probably have to go quite a long way back in human history to find such a mad obsession."

SOURCE: [Société de Calcul Mathématique SA](http://www.societe-mathematique.fr)

## **6. BIOENERGY IS NOT GREEN**

Princeton Research Scholar Tim Searchinger explores reasons biofuels fail to live up to their environmentally beneficial billing in an interview with the Breakthrough Institute. Searchinger notes it is common for wood power plants to end up using material as fuel that would have gone into pulp wood, meaning trees are cut down elsewhere for pulp wood. In addition, the claim marginal land can be used to grow biofuel is an instance of double-counting, since so-called “marginal lands,” such as grazing lands, wetlands, and scrub and woodland savannas, are home to enormous biodiversity and store large volumes of carbon. In one form or another, they are already providing substantial environmental benefits. Searchinger notes very little energy is actually produced from biomass for the huge amounts of water, land, human effort, etc, used to produce it. Biomass energy is produced via photosynthesis, which is inefficient, requiring land, plenty of rain, and warm temperatures.

By contrast, his team calculated if the world were foolish enough to use the world’s most productive agricultural land in Brazil for solar photovoltaics (PV) – even as inefficient as solar panels are at converting sunlight into usable energy – that would produce 30 times as much energy as you would get from using the land to produce sugarcane for biofuel.

SOURCE: [The Breakthrough Institute](#)

## **7. WILL PARIS COP21 COST MORE TO HOST THAN IT RAISES IN GREEN PLEDGES?**

Guest essay by Eric Worrall

Christopher Booker, one of Britain’s most prominent climate skeptics, has written a brilliant expose about the shambolic lead up to the Paris COP21 conference. One of the most striking features of Booker’s expose is just how little money countries have pledged towards the “\$100 billion” green fund. According to the Australian...

<http://wattsupwiththat.com/2015/11/01/will-paris-cop21-cost-more-to-host-than-it-raises-in-green-pledges/>

## **8. KIRIBATI CRISIS: THE BLAME GAME**

Posted on [November 1, 2015](#) | [34 comments](#)

by Judith Curry

Small atoll islands may grow, not sink, as sea level rises.

<http://judithcurry.com/2015/11/01/kiribati-crisis-the-blame-game/#more-20321>

## **9. STADIUM WAVE ALERT: COASTAL SEA ICE IN N. PACIFIC DRIVES OCEAN CIRC. & CLIMATE**

<http://blogs.agu.org/geospace/2015/10/20/formation-of-coastal-sea-ice-in-north-pacific-drives-ocean-circulation-and-climate/>

Judith Curry

## **10. GERMAN CLIMATE CONFERENCE: ANTARCTICA TEMPERATURES SHOW NO WARMING TREND IN 20TH CENTURY, MODELS UNABLE TO REPRODUCE**

<http://notrickszone.com/2015/10/22/german-climate-experts-conference-antarctica-temperatures-show-no-warming-trend-in-20th-century/#sthash.IC2pADd7.dpbs>

## 11. TWO DEGREE CELSIUS WARMING LOCKS IN SEA LEVEL RISE FOR THOUSANDS OF YEARS — SCIENCEDAILY <http://www.sciencedaily.com/releases/2015/10/151018213808.htm>

## 12. PARIS CLIMATE SUMMIT GOALS A PATCHWORK OF CONFUSION

By [George Russell](#), Published November 03, 2015, [FoxNews.com](#)  
<http://www.foxnews.com/world/2015/11/03/paris-climate-summit-goals-patchwork-confusion/?intcmp=hplnws>

## COMMENTS

### A. THE WEEK THAT WAS: 2015-10-24(OCT. 24, 2015)\*\*

*BY KEN HAAPALA, PRESIDENT, SCIENCE AND ENVIRONMENTAL POLICY PROJECT (SEPP)*

**Un-Validated Models:** “The basic problem with the IPCC’s [UN Intergovernmental Panel on Climate Change] extensive analysis of peer-reviewed, published research, from which it draws its conclusions regarding climate sensitivity to CO<sub>2</sub> [carbon dioxide] and other GHG [greenhouse gases], is that it makes the critical mistake of giving any credence whatsoever to projections of future climate changes, and attribution of those changes, from output of un-validated climate simulation models. Moreover, in our opinion, the results of computer model studies should only be published in scientific journals if they are accompanied by supportive empirical observations. This conclusion is based on over a half-century of experience from many of our research team members, using models for critical decision-making in design and operation of spacecraft, where human safety was involved.

“Although computer models based on first principles are used extensively for design of commercial airplanes, bridges and buildings, engineers never base design decisions on output of un-validated computer models, and for good reasons supported by a grateful public. For what possible reason would it be appropriate to base public policy decisions regarding climate, with potentially severe unintended consequences, on un-validated climate simulation models, as the IPCC advocates and as adopted by the IWG [US Interagency Working Group] for SCC [Social Cost of Carbon] calculation?” (p.22)

“The Right Climate Stuff (TRCS) research team is a volunteer group composed primarily of more than 25 retired NASA Apollo Program veterans, who joined together in February 2012 to perform an objective, independent study of scientific claims of significant global warming caused by human activity, known as Anthropogenic Global Warming (AGW).” (p.11)

The above statements by part of the team that proved they could successfully model human landings on the moon, without any texts or similar guidance, illustrates what SEPP believes to be the most glaring deficiency (pink flamingo) in climate science as supported by the IPCC and many governments, including the US – the failure to validate a climate model.

Using government documents, mainly from the General Accountability Office (GAO), Congressional Research Service (CRS), and the White House, SEPP estimates that the US government has spent at least \$40 Billion on what it classifies to be Climate Science, since 1993. These sums do not include the more than \$100 billion in expenditures, both actual outlays and tax expenditures (tax exemptions and credits for selected purposes) for the research and deployment of forms of energy creation in the name of combating global warming/climate change, mainly solar and wind generated electricity.

According to “Our Changing Planet” by the US Global Change Research Program (USGCRP) and the Subcommittee on Global Change Research, the FY 2014 self-reported – not independently analyzed – enacted budget of the USGCRP was \$2,503,000,000 and the FY 2015 requested budget was \$2,512,000,000 (p. 32). The report was sent to Congress in October 2014, signed by John Holdren,

Assistant to the President for Science and Technology. The fiscal year (FY) ended on September 30, 2015, but SEPP was unable to find an update.

Interestingly, the report identifies Thomas Karl as the Chair of the Subcommittee on Global Change Research. As discussed in last week's TWTW, Mr. Karl has earned dubious fame as leading the effort to re-calculate historic records of sea surface temperatures in a manner many find unfitting, and, recently, refusing to respond to a subpoena by the relevant committee in Congress, the House Science and Technology Committee, to explain the basis for these recalculations.

But, the main point is the failure of the USGCRP, or any government entity, to validate any global climate model, or express interest to do so. Yet, the forecasts (projections, predictions or other) are a fundamental reason for the Administration's power plan, which is opposed to fossil fuels and other forms of reliable electricity. These non-validated models are the justification for the 21st Conference of Parties (COP-21) of the UN Framework Convention on Climate Change (UNFCCC) scheduled between November 30 and December 11. Without a valid model able to predict dire consequences from human use of fossil fuels, COP-21 can be considered invalidated.

Given the deficiencies in their science, the motto of the USGCRP "Thirteen Agencies, One Vision: Empower the Nation with Global Change Science" is inappropriate, perhaps changed to Limit the Nation to our Vision? See links under Challenging the Orthodoxy, Defending the Orthodoxy, and On to Paris.

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**Upper-Bound Analysis:** Some may argue that upper-bound analysis by the TRCS (The Right Climate Stuff) research team has been superseded by recent developments in extraction of hydrocarbons, but the TRCS report provides excellent guidance of the maximum warming that may occur over 50 years with no limitations on fossil fuel use. Further, more recent estimates of the sensitivity of the earth's climate to carbon dioxide indicate that the upper-bound analysis may be far too high, and the expected warming from unlimited fossil fuel use will be far less than what TRCS calculated.

What is vital is that an all-volunteer group, working part time, is able to do the type of analysis needed to rationally approach the global warming issue. This analysis is missing in the findings by the IPCC, the USGCRP, and other groups that have received billions of dollars in public funding. So-called experts in communications claim the problem is in communications – in a way it is. The government approach to the issue is not rational: the critical assumptions are not carefully assessed and independently tested. See links under Challenging the Orthodoxy.

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**Peer Review:** Frequently, SEPP receives comments from scientists stating they will not read articles that have not been peer-reviewed, and challenging TWTW for some of its comments. Certainly, at one time, peer-review was important for establishing standards of scientific journals.

However, all too frequently these standards now appear to be more based on the whims of the editors rather than any objective standards. In 2000, when he became editor-in-chief of Science, published by the American Association for the Advancement of Science, Donald Kennedy brazenly announced the magazine would no longer publish articles questioning or challenging human-caused global warming. This publically institutionalized a bias among some journals of ignoring articles of merit by researchers such as John Christy, Roy Spencer, Richard Lindzen, and others. Nature and some other journals had similar policies.

When Science published a fawning review of Merchants of Doubt (2010), which contains many personal accusations against four distinguished scientists which are not substantiated, SEPP Chairman S. Fred Singer, the only one of the four alive, submitted a reasoned rebuttal. The editors of Science promptly rejected it, citing lack of space.

Many of the unsubstantiated claims were supposed to be payments from tobacco companies. The closest such payment was a substantial multi-year grant from the Reynolds family to Rockefeller University for medical research, overseen by President Emeritus of Rockefeller University and the late

SEPP Chairman Fredrick Seitz, which ultimately resulted in a Nobel Prize for Medicine (Physiology or Medicine).

As illustrated above, peer review is not an indication of high quality research. Nature had no difficulty publishing Mr. Mann's hockey-stick, which was inconsistent with a great deal of empirical data, relied on a model subsequently shown to be statically biased, and required the unexplained removal of recent data that was inconsistent with the theme, Mann's Nature trick.

The findings of TRCS research team state another major deficiency in many peer-reviewed science papers. The results of un-validated models are frequently published without any supporting empirical observations. Short-term trends do not necessarily become long-term trends. For these reasons, when linking to such papers, TWTW classifies them under Un-Science or NonScience? See links under Challenging the Orthodoxy and Un-Science or Non-Science? \*\*\*\*\* Peer Review – NIPCC: Some of those objecting to the reports of the Nongovernment International Panel on Climate Change (NIPCC) state that the reports are not peer-reviewed. Those who make such objections have not leafed through the reports. The latest reports; Climate Change Reconsidered II: Physical Science (2013), and Climate Change Reconsidered II: Biological Impacts (2014); contain thousands of citations of articles in peer-reviewed journals. See links under Challenging the Orthodoxy – NIPCC.

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**COP-21 – Climate Justice:** The possibility of a UN Tribunal on “Climate Justice” has been added to the not-yet agreed upon sections in the proposed draft that may be agreed upon in Paris. In Power Line, Steven Hayward writes: “[An International Tribunal of Climate Justice as] [A] [compliance mechanism] is hereby established to address cases of non-compliance of the commitments of developed country. Parties on mitigation, adaptation, [provision of] finance, technology development and transfer [and][,] capacity-building[,] and transparency of action and support, including through the development of an indicative list of consequences, taking into account the cause, type, degree and frequency of non-compliance.” [Any errors in language, grammar, etc. are copied as accurately as possible.]

The in brackets are not-yet agreed upon. This may or may not be a bluff or a ploy. If eliminated, delegates from developed countries may claim they have accomplished a lot, even though they did little. The ploy gives countries that desire development a lever. As Hayward states: “...India is willing to go along with the climate nonsense—if they're paid \$2.5 trillion. Good that they'll have a court that will compel payment. In 'non-punitive' ways of course.”

The problem is that courts can “rationally justify” almost anything. In 1896 in Plessy v. Ferguson, the US Supreme Court institutionalized segregation in spite of the 13th and 14th Amendments by finding states may constitutionally enact legislation requiring persons of different races to use “separate but equal” segregated facilities. In 2007, the Supreme Court justified the lawsuit brought by Mass et al. against the EPA for CO2 emissions from automobiles, in part, by finding that sea levels are raising, but ignoring that sea levels have been rising for over 18,000 years, some 17,900 years before automobiles existed. It is the latter case that gave the EPA the authority to create its finding that greenhouse gas emissions, particularly carbon dioxide, endanger human health and welfare (Endangerment Finding). Court powers can be dangerous and should not be agreed to lightly. See links under Expanding the Orthodoxy.

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**Keystone:** As many expected, after 7 years of review, the Obama Administration ruled against the extension of the Keystone pipeline crossing into Canada. Mr. Obama claimed the pipeline is not needed for national security or to bring down petroleum prices. In part, he is right. During the delay of the Administration's approval petroleum prices peaked and are declining. The decline is thanks to the hydraulic fracturing of shale for oil and natural gas on private and state owned lands, which is not occurring on lands and waters controlled by Washington,. America's need for imported oil has diminished.

According to August 2015 estimates by the US Energy Information Administration, the US imports, monthly, about 31,166,000 barrels of crude oil and products from Saudi Arabia and 28,987,000 barrels from Venezuela. Imports from non-OPEC Canada dominate, with 121,522,000 barrels. It is the OPEC sources that additional oil from Canada would have replaced. Apparently, Mr. Obama now considers the OPEC sources not to be a threat to national security.

If so, it is time for the government, particularly the Department of Defense, to abandon its expensive programs in bio-fuels and in unreliable electricity from solar and wind.

Interestingly, reports state that since 2010, 12,000 miles of new pipeline has been built in the US, including the other main portion of Keystone from Cushing Oklahoma to the Gulf Coast. This accomplishment occurred while the Administration studied the 875-mile sector of Keystone that the Administration just denied. In five years, companies built almost 14 times the miles of pipelines in areas Washington could not control, than the length of pipeline Washington denied.

With the denial of the pipeline, unworkable regulations for hydraulic fracturing on government lands, and the Pebble Mine; the Administration is demonstrating that its economic policy is one of Mercantilism – regulation of the economy for accumulating government power – which grew in 16th century Europe out of feudalism. Adam Smith deplored it.

Others may say the Administration's economic policy is a form of Fascism, without the military component. Under fascism the facade of private property is maintained but the state actually controls all. As Mussolini said: "All within the state, nothing outside the state, nothing against the state." In Europe and the US fascism was popular among those who considered themselves "progressives", until World War II and its aftermath revealed its dark side. See links under Washington's Control of Energy, EPA and other Regulators on the March, and

[http://www.eia.gov/dnav/pet/pet\\_move\\_impcus\\_a2\\_nus\\_ep00\\_im0\\_mbb1\\_m.htm](http://www.eia.gov/dnav/pet/pet_move_impcus_a2_nus_ep00_im0_mbb1_m.htm)

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**Number of the Week: 11.** COP-21 has been proclaimed as the last chance to save humanity. The web site, Climate Change Predictions.org, has gathered similar pronouncements prior to COP meetings -- Bonn, 2001; Montreal, 2005; Bali, 2007; Poznan, 2008; Copenhagen, 2009; Cancun, 2010; Durban, 2011; Doha, 2012; Warsaw, 2013; Lima, 2014; Paris, 2015. Making Paris number 11. Eleven listed international conferences using fossil fuels to fly tens of thousands of people around the world to save the world from the effects of fossil fuels! See link under Below the Bottom Line.

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<http://www.sepp.org/twtwfiles/2015/TWTW%2011-7-15.pdf>

## **B. BACK TO THE DARK AGES: TOP FRENCH WEATHERMAN FIRED OVER CLIMATE CHANGE BOOK**

From: France 24, 1 November 2015 (h/t to The GWPF)

A popular weatherman announced Saturday evening he has been sacked by leading French news channel France Télévisions for publishing a book which accused top climate change experts of misleading the world about the threat of global warming. Philippe Verdier, a household name in France for his

<http://wattsupwiththat.com/2015/11/02/back-to-the-dark-ages-top-french-weatherman-fired-over-climate-change-book/>

## **C. THE NEXT CLIMATE SCANDAL?**

House Republicans hunt for evidence that temperature records are politicized.

By Holman W. Jenkins, Jr. Nov. 3, 2015 6:47 p.m. ET Wall Street Journal

With their latest subpoena to the Obama administration, House Republicans risk descending into a rabbit hole, albeit a useful one.

Lamar Smith, the Texas GOPer who runs the House science and technology committee, has been seeking, voluntarily and then not so voluntarily, emails and other internal communications related to a [study](#) released earlier this year by the National Oceanic and Atmospheric Administration. The study, by adjusting upward temperature readings from certain ocean buoys to match shipboard measurements, eliminated the “pause” in global warming seen in most temperature studies over the past 15 years. Let’s just say, without prejudging the case, gut instinct has always indicated that, if there’s a major global warming scandal to be discovered anywhere, it will be found in the temperature record simply because the records are subject to so much opaque statistical manipulation. But even if no scandal is found, it’s past time for politicians and the public to understand the nature of these records and the conditions under which they are manufactured.

Opinion Journal Video

Business World Columnist Holman Jenkins Jr. on the House investigation into the National Oceanic and Atmospheric Association’s climate data. Photo credit: Getty Images.

This is where those who confuse science with religion, and scientists with priests, take umbrage. Unfortunately, NOAA has proved itself pliable to the propagandizing urge. Witness its steady stream of press releases pronouncing the latest month or year the “warmest on record.” It always falls to outsiders to point out that these claims often rest on differences many times smaller than NOAA’s own cited margin of error. Case in point: When President Obama declared in January that 2014 was the warmest year on record, it had only a 38% chance of being hotter (by an infinitesimal margin) than other hottest-year candidates 2010, 2005 and 1998.

It doesn’t help that NOAA’s sleight of hand here seems designed precisely to conceal the alleged “pause.” The inconvenient hiatus in global warming showed up just as temperature measurement became more rigorous and consistent; just as China overtook the U.S. as champion emitter; just as 30% of all greenhouse gases released since the start of the industrial revolution were hitting the atmosphere. Presumably the hunt will now be on among House Republicans for evidence that NOAA scientists selected only those rejiggerings that would make the pause disappear. Good luck with that. Not only are the adjustments, corrections and interpolations eye-glazing—ground temperatures must be tweaked to offset growing urbanization, polar temperatures for the fact that we don’t have measurement data for long periods of history, etc. Past records must be assembled from measurements not under control of today’s researchers, using an uncertain mix of devices and practices. Where records don’t exist or are deemed inadequate, scientists incorporate what they call proxies.

Researchers will surely be prepared to justify each and every tweak, but it seems all but impossible to bias-proof the choice of which adjustments to make or not make. By the count of researcher Marcia Wyatt in a widely circulated [presentation](#), the U.S. government’s published temperature data for the years 1880 to 2010 has been tinkered with 16 times in the past three years.

And, when all is said and done, it’s still not clear that assigning an “average” temperature for the planet for a year is a meaningful way to capture climate change. Or that claims to detect differences from one year to the next of 2/100ths of a degree are anything but exercises in false precision.

It would be astonishing if human activities were not having some impact on climate, but the question has always been how and how much. Evidence of climate change, of course, is not evidence of what’s causing climate change. Yet three certainties emerge from the murk: Carbon dioxide is a greenhouse gas; atmospheric concentrations of carbon dioxide have increased significantly due to fossil-fuel burning; and the reward system in climate science is heavily tilted toward forecasts and estimates that see a large human effect.

Unfortunately, it’s also true that many of us cannot tolerate making up our minds under conditions of uncertainty. Uncertainty is especially the enemy of passion. That’s why so many who proclaim

themselves “passionate” about global warming cannot string together two sentences indicating any understanding of the subject.

But let us end on an optimistic note. Progress comes from unexpected directions. In a new [paper](#), Australian psychologist Stephan Lewandowsky, Harvard historian Naomi Oreskes and three co-authors chide climate scientists for adopting the term “pause” or “hiatus” in relation to global warming, saying it indicates a psychological susceptibility to the “seepage” of “memes” into their thinking.

As we are not the first to note, if the Oreskes et al. paper means climate activists are now prepared to acknowledge that climate scientists are subject to social pressures, this is perhaps the first breakthrough in decades.

<http://www.wsj.com/articles/the-next-climate-scandal-1446594461>

## **D. ENVIRONMENTAL PROTECTION AGENCY**

### **RULES**

#### **EFFLUENT LIMITATIONS GUIDELINES AND STANDARDS FOR THE STEAM ELECTRIC POWER GENERATING POINT SOURCE CATEGORY**

67837-67903

**SUMMARY:** This final rule, promulgated under the Clean Water Act (CWA), protects public health and the environment from toxic metals and other harmful pollutants, including nutrients, by strengthening the technology-based effluent limitations guidelines and standards (ELGs) for the steam electric power generating industry. Steam electric power plants contribute the greatest amount of all toxic pollutants discharged to surface waters by industrial categories regulated under the CWA. The pollutants discharged by this industry can cause severe health and environmental problems in the form of cancer and non-cancer risks in humans, lowered IQ among children, and deformities and reproductive harm in fish and wildlife. Many of these pollutants, once in the environment, remain there for years. Due to their close proximity to these discharges and relatively high consumption of fish, some minority and low-income communities have greater exposure to, and are therefore at greater risk from, pollutants in steam electric power plant discharges. The final rule establishes the first nationally applicable limits on the amount of toxic metals and other harmful pollutants that steam electric power plants are allowed to discharge in several of their largest sources of wastewater. On an annual basis, the rule reduces the amount of toxic metals, nutrients, and other pollutants that steam electric power plants are allowed to discharge by 1.4 billion pounds; it reduces water withdrawal by 57 billion gallons; and, it has social costs of \$480 million and monetized benefits of \$451 to \$566 million.

<http://www.gpo.gov/fdsys/pkg/FR-2015-11-03/pdf/2015-25663.pdf>

## **E. MODELS VS. OBSERVATIONS: PLOTTING A CONSPIRACY?**

November 3rd, 2015

John Christy and I received an email today from Marcel Crok, who presented our satellite observations-vs-models graphs to the Dutch version of the American Physical Society (APS).

He said there was considerable push-back about the way we plot the data...not from the society itself, but from global warming activist bloggers.

I've heard these objections before, and mostly ignored them as uninformed and lame, since I've never heard one from an actual climate scientist.

But apparently it's worthwhile to address the objections, since they seem to be lurking out there in the blogosphere.

Marcel summarized the objections he heard as follows, where "they" refers to us (Spencer & Christy):

1. They shift the modelled temperature anomaly upwards to increase the discrepancy with observations by around 50%.

2. Using a four year baseline from 1979-83 shifts UAH down lower compared to the surface record.

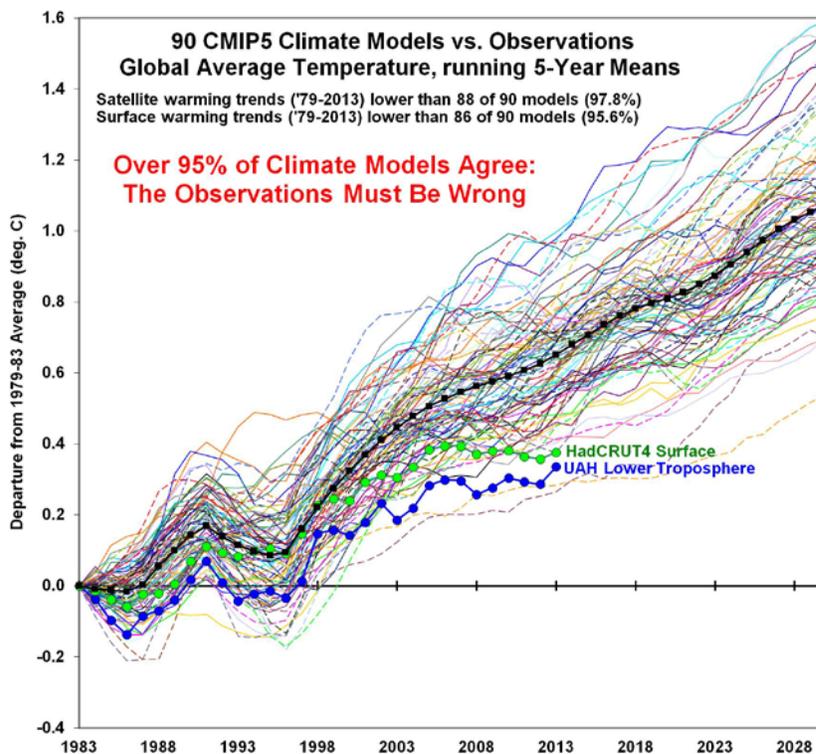
3. Why did John Christy use a four year baseline period instead of a 30 year baseline as is usual?

4. One other trick played in the Spencer/Christy graph is to start all of the models from the same point. That's not what is done in practice – they are run-up over a period of time and have a distribution along the entire period.

5. The baseline Christy used 1979-1983 is a 5 year period, it includes 79,80,81,82 and 83. It's basically the first point on his running 5 year mean. Of course that ISNT the 5 year average centered on 1983. It's the average centered on 81. So Christy's graph is shifted 2 years to the right.

These complaints are all interrelated, and are mostly variations on the same objection.

Let's start with one of our graphs Marcel presented (this isn't exactly the same as the one he presented, but it would cause the same objections he encountered):



Now, see the text on the graph about how the warming \*TRENDS\* are almost always greater in the models than the observations?

Well, **the difference in trends between models and observations is not affected by any of the 5 objections listed above.**

It doesn't matter how you plot the data with vertical offsets, or different starting points: *these issues do not affect the trends, and trends are probably the single most important statistical metric to test the models against observations.*

The vast majority of the models have greater warming trends than the observational data show. How members of a Dutch "Physical Society" would not know any of this is beyond me.

Beyond this overriding issue which make the 5 objections moot, I will still answer them (in sequence, see above) because John Christy and I believe that the way we plot the data is the most physically meaningful and the most defensible.

1. *We do NOT shift the models upward to enhance the discrepancy with the observations. They diverge upward when starting at the same initial point: the 1979-1983 average (the first 5 years of the satellite record).*

2. *See #1.*

3. *The anomalies ARE relative to the same 30-year baseline. But when you plot the results, and the models have such a different warming trend, you then must decide whether to plot just the anomalies (which would have the models too COLD early in the record, then too WARM late in the record), or have them all start the "warming race" at the same time...like we did...relative to their respective 1979-1983 starting temperatures.*

4. *See #3.*

5. *Shifting of the year labels on the graph by 2 years has no impact on the discrepancy between models and observations.*

I hope the above helps to clarify why we plot the model-vs-observations comparisons the way we do.

**NOTE:** The above has been edited to better reflect who Marcel Crok received objections from.

Roy Spencer

## **F. GLOBAL TEMPERATURE REPORT: OCTOBER 2015: WARMEST OCTOBER IN THE SATELLITE TEMPERATURE RECORD**

From University of Alabama, Huntsville: Global climate trend since Nov. 16, 1978: +0.11 C per decade  
October temperatures (preliminary) Global composite temp.: +0.43 C (about 0.77 degrees Fahrenheit)  
above 30-year average for October. Northern Hemisphere: +0.64 C (about 1.15 degrees Fahrenheit)  
above 30-year average for October. Southern Hemisphere: +0.21 C (about 0.38 degrees Fahrenheit)  
above...

<http://wattsupwiththat.com/2015/11/03/global-temperature-report-october-2015-warmest-october-in-the-satellite-temperature-record/>

Roy Spencer

## **G. EL NIÑO EVENTS AND DROUGHT LINKED**

Current SST: From the THE UNIVERSITY OF MONTANA: UM researchers document global connections between El Nino events and drought MISSOULA – A team of researchers recently discovered that global climate change is causing general increases in both plant growth and potential drought risk. University of Montana Professor John Kimball is among the team of researchers who...

<http://wattsupwiththat.com/2015/11/03/el-nino-events-and-drought-linked/>

## **H. INVOLUNTARY DECARBONIZATION**

China is aware that its coal is running out and that it needs new sources of energy. The rest of the world blunders along on the assumption that fossil fuels will remain plentiful. Guest essay by David Archibald At a conference on coal gasification in Colorado Springs on 12th October, the lead speaker was Dr... <http://wattsupwiththat.com/2015/11/02/involuntary-decarbonization/>

## I. NRG CHIEF'S GREEN AMBITIONS ARE PUT ON BACK BURNER

### **Money-losing investment in renewable energy didn't sit well with investors**

By Rebecca Smith, The Wall Street Journal, Nov. 3, 2015 6:09 p.m. ET

Throughout its 26-year life, [NRG Energy Inc.](#) has made most of its money by running big electric plants that burn fossil fuels. But six years ago, the company's chief executive began a billion-dollar push into clean power: rooftop solar, wind farms and electric-car charging stations.

And David Crane, the CEO, became increasingly outspoken about the need to go green. In an essay earlier this year, Mr. Crane warned his fellow electricity executives that by failing to embrace clean energy they "are losing the hearts and minds of the future generation of Americans."

He still believes that, he said in an interview. But he is [backing away](#) from the renewable-energy businesses anyway—to [placate investors](#), he said.

"There was a mismatch between what investors wanted us to do with our cash—which was give it back—and what we wanted to do, which was put it in growth businesses," Mr. Crane said.

In the 15 months before he decided to split off the renewable-energy businesses, the company's shares lost about 50% of their value. The shares have dropped 25% since the new strategy was announced in mid-September.

Current investors aren't upset about the plan to separate off the green businesses, said Jonathan Arnold; an equities analyst for Deutsche Bank Securities in New York. "They're just sorry it isn't being implemented more quickly."

Jettisoning his green ambitions has been deflating, conceded 56-year-old Mr. Crane, who has run the Princeton, N.J., company since 2003. A Harvard-trained lawyer and former investment banker, he has become an electric-car enthusiast; he owns a Tesla Roadster, Nissan Leaf, Fisker Karma and BMW i8 sedan—electric cars.

Mr. Crane said he thought that since he tripled NRG's fleet of conventional power plants, investors would be patient with the emerging businesses. But institutional investors had little taste for the money-losing fledgling enterprises, he said, "While no clean-energy investor would buy the conventional generation business." His goals now, he said, are to find a winning format for the green businesses so they survive and to restore NRG's market value.

"Investors have lost a lot of money," he said. "That's not the type of CEO I've tried to be."

In addition to spinning off its clean-energy businesses next year, NRG intends to cap future investments in them at \$125 million. Mr. Crane is hunting for people willing to invest in his clean-energy portfolio and he said he has completed a first round of discussions with potential investors. "It's still early days," he said, "but there are plenty of people interested."

Over the last decade, NRG put about \$10 billion into acquisitions, mostly big power plants that sell electricity in deregulated electricity markets. The company's generating assets are 90% conventional, meaning they use coal, natural gas or uranium, and 10% reliant on the sun or wind.

Even so, said Mr. Crane, NRG was "held out for scorn" because it invested about \$1 billion in the past decade in renewable-energy ventures and in carbon-capture technology for its coal plants. Reducing carbon emissions has become a major goal as the U.S. government tries to act against climate change.

The company's reputation with investors may also have been bruised by a selloff in investment vehicles called "yieldcos," which it helped invent in 2012. Pioneered by NRG as well as renewable-

power specialists including [SunEdison](#) Inc. and [NextEra Energy](#) Inc., yieldco ventures issued stock and used the proceeds to buy income-producing solar and wind projects from sponsors, freeing up capital for reinvestment. Stock in [NRG Yield](#) and other companies swooned this year amid doubts about their prospects for continued dividend growth.

NRG has a long history of trying new things and then dropping them. “They’ve had a lot of ideas that haven’t worked out very well,” said Toby Shea, an energy analyst for Moody’s Investors Service.

As NRG returns to its roots as an independent power-generation firm, Mr. Crane sounds less than excited about a future that seems stuck on old technology. “There’s only so far you can take a coal fleet that’s 40 years old,” he said, “and facing carbon restrictions.”

<http://www.wsj.com/articles/nrg-energy-ceos-green-ambitions-are-put-on-back-burner-1446592145>

## **J L’ALTERNATIVE PARIS**

Josh writes: With COP21 coming up there is an alternative conference being organized. The Paris Climate Challenge In 2009 we laid down the Copenhagen Climate Challenge, when we asked UN Secretary-General Ban Ki-Moon to answer 10 questions about climate. We’re back to ask the same and more questions, and challenge the climate ‘consensus’ in Paris at COP 21 with alternative climate...

<http://wattsupwiththat.com/2015/11/04/lalternative-paris/>

## **K. MORE IPCC INADEQUACIES AND FAILURES: PRECIPITATION**

Guest opinion: Dr. Tim Ball

The recent article by Philip Lloyd about long-term precipitation patterns referenced the record from 1766 for England and Wales. It reminded me of my doctoral thesis defense before a committee chaired by Professor C.G. Smith of Keble College Oxford. After about 2 hours of questions Smith said, “I don’t...

<http://wattsupwiththat.com/2015/11/04/more-ipcc-inadequacies-and-failures-precipitation/>

## **L. AP POLL: AMERICANS INCREASINGLY UNCONCERNED ABOUT CLIMATE CHANGE**

Guest essay by Eric Worrall

Yet another poll has been published, which suggests that despite relentless media bombardment in the lead up to Paris, Americans are increasingly unconcerned about climate change. According to Associated Press; Q9. How worried, if at all, are you about global warming? [HALF SAMPLE ASKED OPTIONS IN REVERSE ORDER] AP-NORC 10/15-18/2015 AP-NORC...

<http://wattsupwiththat.com/2015/11/04/ap-poll-americans-increasingly-unconcerned-about-climate-change/>

## **M. NEW BOOK BY BOB TISDALE: ON GLOBAL WARMING AND THE ILLUSION OF CONTROL – PART 1**

Guest Post by Bob Tisdale I’ve been mentioning my new book in blog posts and comments for well over a year. I’ve finished Part 1, which makes up the majority of it. The best news: IT’S FREE. Click here for a copy (25 MB .pdf). On Global Warming and the Illusion of Control – Part...

<http://wattsupwiththat.com/2015/11/03/new-book-by-bob-tisdale-on-global-warming-and-the-illusion-of-control-part-1/>

## **N. HOUSE AND SENATE MANEUVER TO OPPOSE EPA CLEAN POWER PLAN RULES**

Earlier this week, the U.S. House of Representatives introduced resolutions under the Congressional Review Act to disapprove of two final rules issued by the Environmental Protection Agency (EPA) for new and existing power plants. The resolutions stand no chance of becoming law, but lay out Republicans' argument that the Obama administration is pursuing a regulatory cap and trade scheme that will drive up electricity prices, cost jobs, threaten grid reliability, and make our country less competitive globally.

For additional information on the House resolutions, please visit:

<http://energycommerce.house.gov/fact-sheet/111bd-congressional-review-act-resolutions>

In the other chamber, U.S. Senators Shelley Moore Capito (R-WV) and Heidi Heitkamp (D-ND), along with 47 Senate co-sponsors, have similarly introduced a resolution disapproving of the Environmental Protection Agency's (EPA) proposed Clean Power Plan regulations for existing power sources. The Senate resolution can be found at: <http://www.capito.senate.gov/imo/media/doc/10.27.2015%20Capito%20CRA%20Resolution.pdf>

Also in the House on October 22nd, the House Energy and Power Subcommittee continued its examination of the two final rules and a third proposed rule to regulate carbon dioxide (CO<sub>2</sub>) emissions from new and existing fossil fuel-fired power plants. The hearing was entitled, "EPA's CO<sub>2</sub> Regulations for New and Existing Power Plants: Legal Perspectives."

House Energy and Commerce Committee Chairman Fred Upton (R-MI) has said the President's climate change agenda amounts to "a massive economy-wide energy tax." The Republican from Michigan drew a comparison between Democrats' past failed attempts to pass a cap- and-trade bill to reduce emissions, and the Environmental Protection Agency's (EPA) recently finalized Clean Power Plan. According to Upton, a cap-and-trade system would place a hard limit on emissions, and force power plants and other emitters to buy emission credits if they need to exceed those caps.

Detailed information on the House hearing is available at:

<http://energycommerce.house.gov/hearing/epa%E2%80%99s-co2-regulations-new-and-existing-power-plants-legal-perspectives>

More information on the Clean Power Plan is available at <http://ppec.asme.org/key-issues/energy/>  
ASME Capitol Update - October 30, 2015

## **O. YET ANOTHER STUDY SHOWS ANTARCTICA GAINING ICE MASS – SNOWFALL ACCUMULATION ‘HIGHEST WE HAVE SEEN IN THE LAST 300 YEARS’**

While the wailers over at Media Matters bemoan claims of “distortion” over the recent NASA press release about Antarctica gaining ice mass due to increased snowfall over the last 10,000 years,... A new NASA study says that an increase in Antarctic snow accumulation that began 10,000 years ago is currently adding enough ice to the...

<http://wattsupwiththat.com/2015/11/05/yet-another-study-shows-antarctica-gaining-ice-mass-accumulation-highest-we-have-seen-in-the-last-300-years/>

## **P. EXXON, PEABODY INVESTIGATED OVER CLIMATE CHANGE CLAIMS**

**PUBLISHED NOVEMBER 06, 2015, [ASSOCIATED PRESS](#)**

ALBANY, N.Y. – New York's attorney general is examining statements by Exxon Mobil and Peabody Energy to determine whether they deceived investors about the causes and impacts of climate change, an official familiar with the investigations said Thursday.

A subpoena was sent Wednesday to Dallas-based Exxon after a yearlong review of shareholder disclosures, said the official, who wasn't authorized to publicly discuss the probes and spoke to The Associated Press on condition of anonymity.

Attorney General Eric Schneiderman's office sought similar documents on climate change from St. Louis-based Peabody in 2013, which the company disclosed last year.

A spokesman for Schneiderman declined to comment Thursday. New York's attorney general has authority under the state's Martin Act to investigate and prosecute securities fraud.

Exxon spokesman Scott Silvestri said the company has received the subpoena and rejects allegations in media reports that it suppressed research. Silvestri said that for years, Exxon has provided shareholders information about the business risks of climate change.

He cited "ExxonMobil's nearly 40-year history of climate research that was conducted publicly in conjunction with the Department of Energy, academics and the UN Intergovernmental Panel on Climate Change."

"ExxonMobil recognizes that climate risks are real and responsible actions are warranted," Vice President Ken Cohen told reporters in a conference call late Thursday.

He said scientists have publicly issued nearly 150 papers and obtained nearly 300 patents for technological advances in cutting emissions.

"Beginning in the last decade, we've informed shareholders and investors on our perception of the business risks associated with climate change through regulatory filings, our annual corporate citizenship report and in other reports to shareholders," Cohen said.

InsideClimate News reported on the New York investigation earlier Thursday. The nonprofit publication reported on its own investigation earlier this year that found documents showing Exxon recognized in the late 1970s the possible threat to its own existence from global warming, said John Cushman, an editor.

Company researchers later confirmed the emerging scientific consensus that doubling carbon dioxide emissions from burning fossil fuels would warm the earth with unpalatable effects, Cushman said.

At Peabody, spokeswoman Kelley Wright said the company continues to work with the Attorney General's Office "regarding our disclosures, which have evolved over the years."

<http://www.foxnews.com/us/2015/11/06/exxon-peabody-investigated-over-climate-change-claims/?intcmp=hplnws>

## **Q. SENATE FAILS TO PASS FEDERAL WATER QUALITY PROTECTION ACT!**

On November 3rd, the U.S. Senate voted 57-41 to take up legislation from Senators John Barrasso (R-WY) and Joe Donnelly (D-IN), falling short of the 60 votes needed to overcome a filibuster. The bill, S. 1140, would direct the Environmental Protection Agency (EPA) and Army Corps of Engineers to issue a revised "waters of the United States" (WOTUS) rule, with the aim of reducing the rule's impact on farmers, ranchers and private landowners.

Several state attorneys general, the National Association of Counties, National League of Cities and hundreds of agriculture, electricity and builders associations and small-business groups had endorsed S. 1140.

In a related development, a group of 11 Democratic senators, representing farm state interests, sent a letter to EPA and the Corps of Engineers saying "while we cannot currently support the Federal Water

Quality Protection Act, we believe the EPA and Army Corps of Engineers can and must do better to address the legitimate issues that have been raised in regards to the implementation of this rule." The letter continues, "We call on the EPA and Army Corps of Engineers to provide clearer and concise implementation guidance to ensure that the rule is effectively and consistently interpreted. Farmers, ranchers, water utilities, local governments, and contractors deserve this clarity and certainty. Should the EPA not provide this clarity or enforce this rule in a way that erodes traditional exemptions, we reserve the right to support efforts in the future to revise the rule."

Read S. 1140 at: <https://www.congress.gov/114/bills/s1140/BILLS-114s1140rs.pdf>

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## **R. ENERGY AND POWER SUBCOMMITTEE PASSES RESOLUTIONS DISAPPROVING EPA POWER PLANT RULES**

The Subcommittee on Energy and Power held a markup on November 3rd to consider two resolutions, H.J. Res 71 and H.J. Res 72, disapproving of the two final rules issued by the Environmental Protection Agency (EPA) for new and existing power plants. The two resolutions were approved on party-line votes of 15-12, underscoring the continuing partisan dispute over the EPA's Clean Power Plan.

The resolutions would face a guaranteed Presidential veto, but serve to lay out Republicans' argument that the Obama administration is pursuing a regulatory cap and trade scheme that will drive up electricity prices, cost jobs, threaten grid reliability.

An electronic copy of H.J. Res 71 and H.J. Res 72, along with information on the markup itself, can be found on the Energy and Commerce Committee's website at:

<http://energycommerce.house.gov/markup/energy-and-power-subcommittee-markup-hj-res-71-and-hj-res-72>

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## **S. SCIENCE SUBCOMMITTEES HOLD HEARING ON "THE RENEWABLE FUEL STANDARD: A TEN YEAR REVIEW OF COSTS AND BENEFITS"**

On November 3rd, the House Science Subcommittees on Environment and Oversight held a joint hearing titled "The Renewable Fuel Standard: A Ten Year Review of Costs and Benefits". The purpose of this hearing was to examine the environmental impact and cost of the Renewable Fuel Standard (RFS) over the ten year history of the program, as well as the economic impact and specific technical challenges involved in meeting future RFS requirements. The hearing specifically examined the impact of the RFS on the price of food and fuel.

The RFS creates a number of compliance challenges for refiners, biofuel producers, engine manufacturers, and distributors of the U.S. transportation fuel supply—eventually impacting American consumers through the price and availability of fuels. These issues include ongoing uncertainty in EPA management of the RFS, difficulty in achieving adequate levels of renewable fuel production, and the impact of "blend wall" in meeting RFS volume requirements in the future.

Important questions and key issues discussed at the hearing include:

- After ten years, has the overall economic and environmental impact of the RFS been positive or negative?
- What is the impact of the RFS on the price of fuel and food for American consumers?
- Would these costs increase if the RFS was enforced as outlined in the EISA? Would these costs decrease if the RFS was repealed?

- Is the U.S. transportation fuel market capable of absorbing higher volumes of E85 and E15 that will be necessary to meet future RFS requirements? What impact could those higher volumes have on consumer pricing?
- What is the environmental impact of increased use of biofuels, including the lifecycle emissions and impact on air quality? How do the lifecycle emissions of corn ethanol and cellulosic ethanol compare to gasoline?
- How do the current emissions from biofuels compare with emissions predicted by models before the RFS was enacted? What steps should the EPA take to correct existing emissions models?

Additional information on the hearing, including the witnesses' prepared statements is available at: <https://science.house.gov/legislation/hearings/subcommittee-oversight-and-subcommittee-environment-hearing-renewable-fuel>

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## **T. GIMME THREE STEPS TOWARD THE RENEWABLE ENERGY DOOR**

October 13th, 2015 by Roy W. Spencer, Ph. D.

A TV meteorologist named Greg Fishel (WRAL, Raleigh, NC) posted an article yesterday on their *WRAL Weathercenter Blog* entitled [Choose science, stewardship in understanding climate change](#). In the blog post Mr. Fishel claims — I hope I am not putting words in his mouth — to have finally accepted human-caused climate change, and therefore encourages other conservative Christians like himself to put aside partisanship for the good of humanity and the Earth.

I actually agree with most of the science he presents, but I want to address why he is misguided in his conclusions.

**Mr. Fishel got (at most) 1 in 3 correct**

<http://www.drroyspencer.com/2015/10/gimme-three-steps-toward-the-renewable-energy-door/>

Roy Spencer

## **U. IS CLIMATE SCIENCE SETTLED? (NOW INCLUDES SEPTEMBER DATA)**

Guest Post by Werner Brozek, Professor Robert Brown from Duke University and Just The Facts Image Credit: Josh In order for climate science to be settled, there are many requirements. I will list four for now, although I am sure you can think of many more. Then I will expand on those. 1. We must...

<http://wattsupwiththat.com/2015/11/06/is-climate-science-settled-now-includes-september-data/>

## **V. JC OP ED: THE POLITICS SURROUNDING GLOBAL TEMPERATURE DATA**

Posted on [November 5, 2015](#) | [304 comments](#)

by Judith Curry

My op-ed in Fox News: [Is government tinkering with global warming data?](#)

<http://judithcurry.com/2015/11/05/jc-op-ed-the-politics-surrounding-global-temperature-data/#more-20343>

## W. UN REPORT RAISES CEILING FOR GREENHOUSE GAS POLLUTION, CALLS PREVIOUS ASSESSMENTS UNREALISTIC

Published November 06, 2015

[Associated Press](#)

STOCKHOLM – The U.N.'s environmental authority has quietly raised its assessment of the level at which global greenhouse gas emissions must peak to avoid dangerous climate change. In annual emissions reports since 2010, the United Nations Environment Program has said emissions must not exceed 44 billion tons in 2020 for the world to limit global warming to 2 degrees C (3.6 degrees F).

But in this year's report, a summary of which was released Friday, UNEP says 52 billion tons in 2020 is consistent with the 2-degree target.

The new analysis assumes that emissions cuts will drop faster after 2030 than was assumed in previous reports.

Explaining the change, UNEP chief scientist Jacqueline McGlade said earlier assessments were based on emissions scenarios that are "no longer realistic."

<http://www.foxnews.com/world/2015/11/06/un-report-raises-ceiling-for-greenhouse-gas-pollution-calls-previous/>

## X. WELL BAM, THERE IT IS: EXXON MOBIL INVESTIGATED BY NY ATTORNEY GENERAL

November 6th, 2015

I suppose this was inevitable, and Exxon Mobil probably expected it as well.

According to the Justin Gillis NYT [story](#), the New York attorney general's "investigation focuses on whether statements the company made to investors about climate risks as recently as this year were consistent with the company's own long-running scientific research."

The thing that astounds me about this is, as far as I know, Exxon Mobil "scientific research" would not have uncovered anything that was not already widely *hypothesized* (not "known") by the scientific community, Al Gore, Greenpeace, school teachers, Hollywood actors, your 8 yr old son, *et al*.

How one compares a tobacco company cover-up of evidence that smoking kills millions of people, to human-caused climate change, which cannot be demonstrated to have occurred let alone cause even one death (or even incontinence) is beyond me.

But then, we live in a brave new world, don't we?

Roy Spencer

## Y. OBAMA REJECTS KEYSTONE XL

[Guest Blogger / 15 hours ago November 6, 2015](#)

Craig Rucker of [CFACT](#) writes:

After years of deliberate delays President Obama rejected the Keystone XL pipeline today. This is a victory for radical environmentalists and those who wish America ill.

It is a punch in the face to everyone else. Keystone XL is a clean, safe way to transport Canadian oil to American refineries and markets.

It would bring jobs along with abundant, affordable energy. Stopping the pipeline has no meaningful benefits for the environment and will create no meaningful change to global temperature. House Speaker Paul Ryan had this to say:

*“This decision isn’t surprising, but it is sickening,” the Wisconsin Republican said. “By rejecting this pipeline, the president is rejecting tens of thousands of good-paying jobs.”*

*“He is rejecting our largest trading partner and energy supplier. He is rejecting the will of the American people and a bipartisan majority of the Congress,” he added. “If the president wants to spend the rest of his time in office catering to special interests, that’s his choice to make. But it’s just wrong. In the House, we are going to pursue a bold agenda of growth and opportunity for all.”*

President Obama’s bad decision indicates that his White House is truly captive to the radical eco-left.

If the President is this bad on energy policy it indicates that there may be no limits to how bad a climate agreement he may sign in Paris.

At the White House sound understanding of science, energy and the environment have left the building.

<http://wattsupwiththat.com/2015/11/06/obama-rejects-keystone-xl/>

Regards,  
George