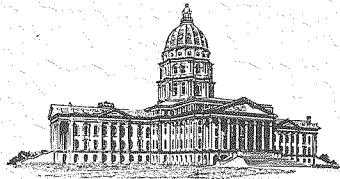


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August 10, 2015

Dr. Terry Wallace
Principal Associate Director
Global Security
Los Alamos National Laboratory
Mailstop A 135
Los Alamos, NM 87545

RE: Presentation at Bradbury Science Museum
Energy Council Group
June 20, 2015

Dear Dr. Wallace,

I introduced myself at the conclusion of your talk to the group cited above, and I am now following up with comments, as I indicated I would. I was tempted to interrupt your presentation upon hearing many of your statements, but elected to defer to this communication, so as not to embarrass you in that setting.

You made multiple false and misleading statements, and as a government official, I feel led to formally raise concerns with you, and I will be distributing copies of this letter to many who were in attendance that day, and others who were not, but whom I feel also need to know this communication is being delivered to you. You have significant responsibilities with respect to policy making related to Energy Security for the United States.

Near the end of your presentation you made the claim that your 'intelligence' indicates that the global population will reach 9 billion people by 2030. I would not disagree that that is possible. However, you followed that with the indication that the world's oceans will also be 'exhausted as to fishing population' by that date, and so we are on an unsustainable path with respect to food production. I take significant issue with that suggestion, and I have done some checking with international sources to see what the maritime bodies hold as to fears of that *ever* occurring, let alone by 2030. You will not like what the multiple entities I checked with report: RUBBISH.

I have done a little math for you to contemplate. As a fellow geophysicist, I spend a lot of time crunching numbers for my clients. Did you know that you can fit the entire current global population of the earth, around 7 billion people, inside a rectangular space of about 95 x 95 miles, inside the state of Texas, with every person spaced by about 6 feet by 6 feet. The entire population of the world would fit inside a space that is about 3.6% of the entire land area of Texas. Now, we would not be comfortable inside that box, but it is humanly possible to do so. On the other hand, if we spread that entire population such that it filled the entire state of Texas, every man, woman and child would have access to about 1.67 acres of land. I want you to think about that metric, and think about sharing that in one of your next group settings. FYI, the land area of Texas is approximately equal to 0.4 percent of the total land area of earth. I fully understand the reality of arable land, vs non, but trust me there is a lot of arable land

available out there. Look at what the Japanese and Chinese have done with their ingenuity as to agricultural practices. Look at what Israel has done to transform desert into some of the most productive cropland on the planet.

Next, let's talk about CO₂, that 'dangerous' (according to the EPA) gas that all humans exhale, and that plants thrive upon, and that trees love to uptake as part of their unintentional contribution to the atmosphere. Since you obviously espouse the fear-mongering in lockstep with the EPA, I feel compelled to share other pertinent facts with you, again in hopes that you find ways to intersperse these data bits into your future presentations.

Firstly, global temperatures since 1895, as seen from the National Oceanic and Atmospheric Association/ National Climatic Data Center (NOAA/NCDC) archives show virtually zero correlation to the atmospheric concentration of CO₂, virtually zero. I understand you will have a very hard time coming to grips with that statement, so I am embedding **Figure 1** that accurately demonstrates the utter and complete lack of correlation between global temperature and earth's CO₂ concentration from 1895-2011.

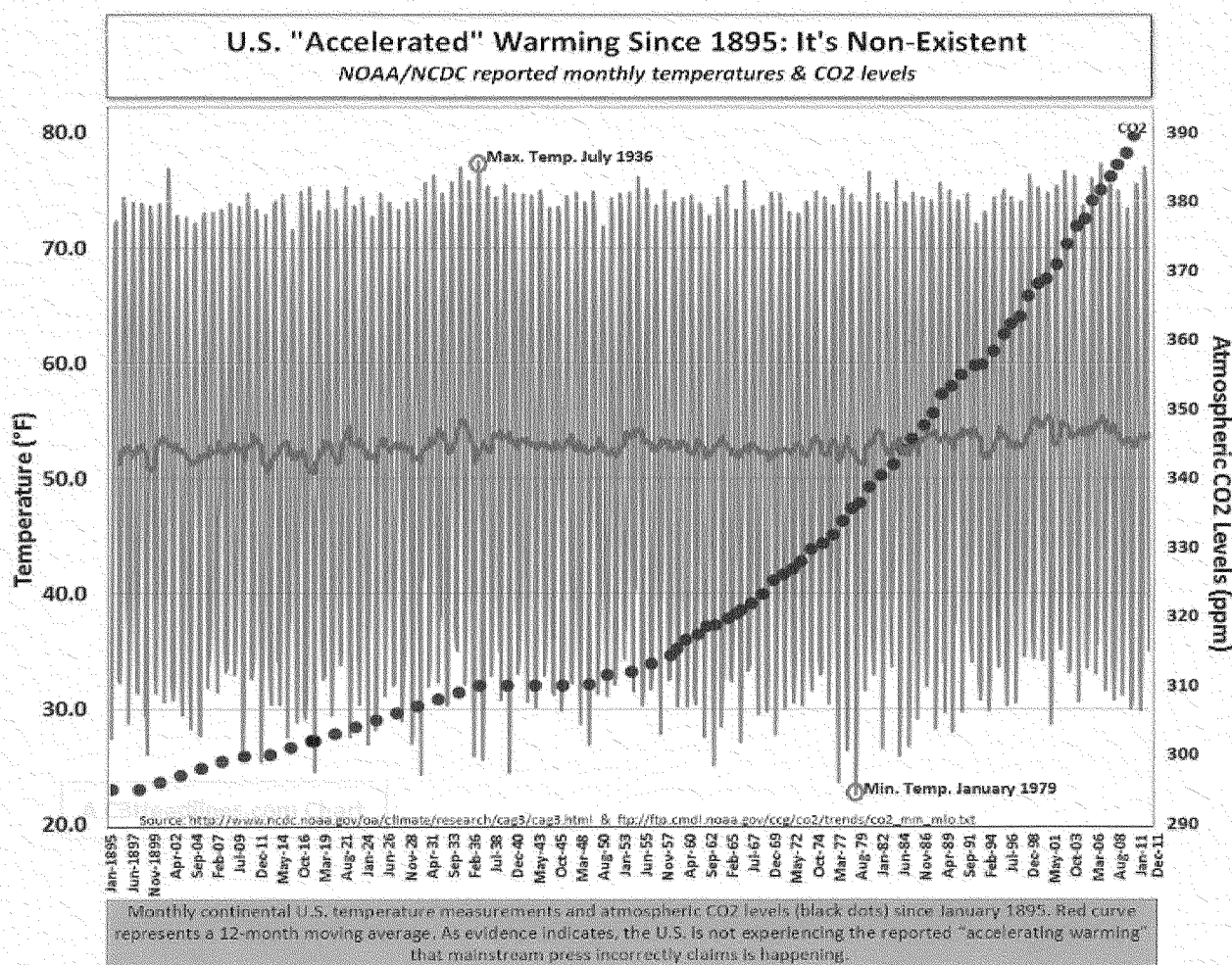
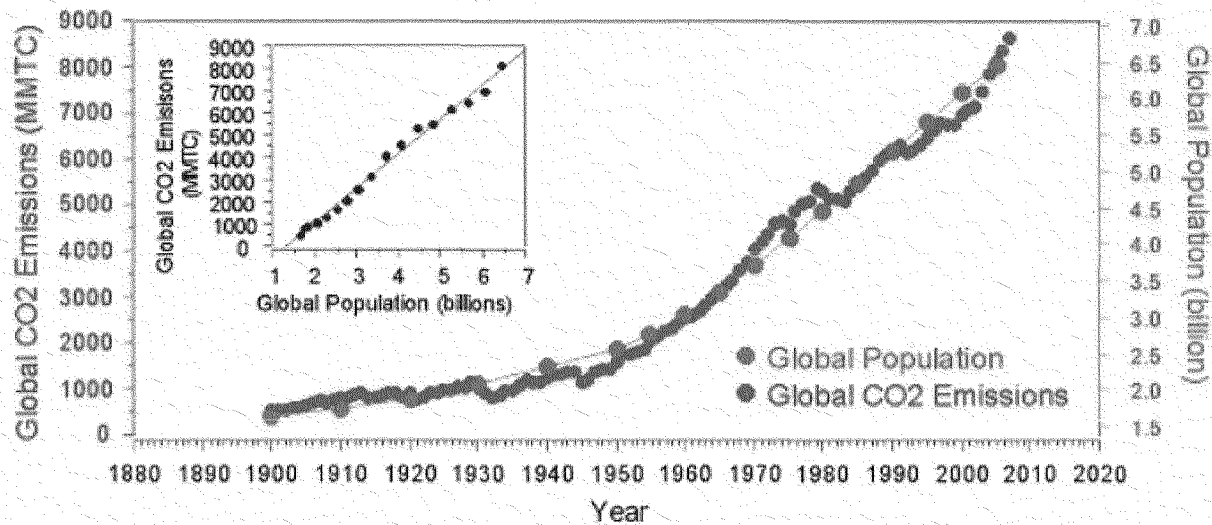


Figure 1 (<http://www.ncdc.noaa.gov/oa/climate/research/cag3/cag5.html>, and ftp://ftp.cmdl.noaa.gov/ccg/co2/trends/co2_mm_mlo.txt)

Secondly, there is an object that does correlate very strongly with CO₂ concentration. In fact, the correlation coefficient is greater than 95%. Unfortunately for humans – if you believe that CO₂ must be contained, or we will melt the planet- it is us, yes the human population has a greater than 95% correlation to CO₂ concentration. This is illustrated in **Figure 2** below.



What the Future Holds in Store, World Climate Report, WordPress.com, [online]
<http://www.worldclimaterreport.com/index.php/2008/01/30/what-the-future-holds-in-store/>

Figure 2

Thirdly, I just read a couple of weeks ago that the sea ice extent in the Arctic region increased 41% this year compared to last, all the while global CO₂ concentration continues to rise unabated, to levels greater than 400 ppm, which I am sure you know. Further, the magnitude of sea ice extending from Antarctica has broken records for the past three years running, ever since satellites have been recording this data.

On August 6, 2015 a research paper was released by Science China Press, entitled "**Keeping it simple: the value of an irreducibly simple climate model**", authored by Sir Christopher Monckton of Brenchley, Dr. Willie W.-Soon of Harvard-Smithsonian Center for Astrophysics, Dr. David R. Legates, former Director at the Center for Climatic Research at The University of Delaware, and William M. Briggs, Statistician. The main point is that the sophisticated climate models generated by the IPCC have repeatedly failed to match real world conditions, and there would be no reason to expect otherwise in the future. Al Gore's 'hockey stick' (actually Michael Mann's) is a glaring example of the failure of the models. So, I provide here the latest temperature record spanning January 1997 to June 2015. Real data, not massaged in any way, which is unfortunately not the case in the data handling of much government-funded research.

By the way, this same paper was offered to U.S. scientific publications, but they can't handle the truth, so they reject such peer-reviewed research, which is a real travesty in our scientific community.

Figure 3 below represents the RSS (Remote Sensing Systems) monthly global mean lower-troposphere temperature anomalies over the period mentioned. The linear trend on the anomalies is approximately zero, notwithstanding global CO₂ concentrations rising from approximately 350 ppm to over 400 ppm

during the same period. One third of all anthropogenic CO₂ emissions since 1750 arose in these 222 months, with virtually zero change in global temperature. Actually, statistically the temperature dropped 0.05 degrees Fahrenheit over this period. Please see **Figure 3** below.

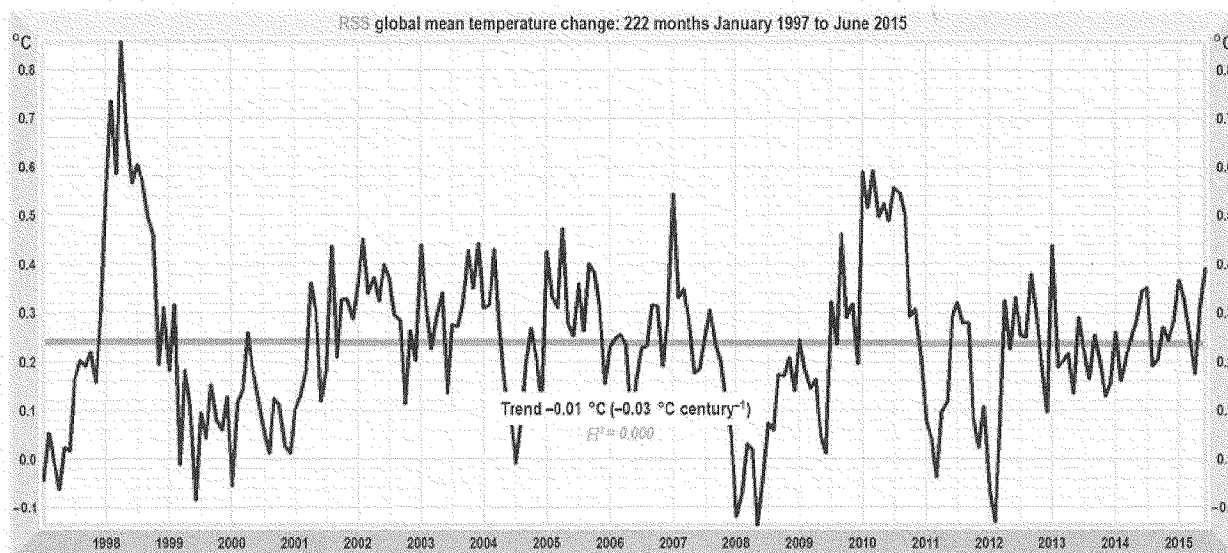


Figure 3

Finally, I will leave you with this, and trust me I could go on for 15 pages, but I don't have the time right now to do that. I am sure you are an adherent to the Intergovernmental Panel on Climate Change, the famous IPCC, which has been challenged and discredited materially in the recent past. If we take their proposed modeling and attempt to project the impact on global temperature, what we find is this:

If the U.S. ceased to exist, no emissions whatsoever from the U.S. from 2012 on to 2100, the global temperature change might be 0.15 degrees Fahrenheit, in fact undetectable, and well below the error bars for measuring temperature.

You also need to know that I do not buy in to the theory that mankind's contribution of emissions has any detectable effect on global temperature. As you know, we have been gradually, thankfully, exiting from the nadir of the Little Ice Age, and so glaciation worldwide has been receding, in no actual part due to anything mankind has done.

The Clean Power Plan, if enacted, would materially undermine the stability of the U.S. power grid, steal \$ Billions, likely \$Trillions from hard working American citizens, for virtually zero benefit. You know what the global picture looks like, and the projections that China and India will continue to take full advantage of fossil fuels, especially coal, well into the future. So, if you bought the argument that CO₂ actually is a bad thing for our environment, which I strongly contest, based on the evidence presented earlier, then the U.S. stands no chance whatsoever to offset the global contribution of CO₂ that will likely occur from China and India, the two fastest population growth areas on the planet.

So, to conclude, I would implore you, Dr. Wallace, to impose some level of common sense scrutiny into your very expensive research, and help mankind actually fight the fight against hunger, against poverty, by encouraging the governments on the African continent to make full use of their hydrocarbon resources,

as opposed to burning dung, wood products and the like that actually do release real pollutants into the atmosphere, that actually do shorten lifetimes, and greatly reduce the quality of life.

I implore you to take these steps in favor of humanity. You can do this. And please get rid entirely of this mantra of 'Sustainability', the god of the IPCC and the EPA. Please.

Sincerely,



Dennis E. Hedke
Chair, Energy & Environment Committee
Kansas House of Representatives

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