

More in Sorrow than in Anger

*Open letter from The Viscount Monckton of Brenchley
to Senator John McCain about Climate Science and Policy*



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Lord Monckton, UK -- Christopher, Third Viscount Monckton of Brenchley, was ***Special Advisor to Margaret Thatcher as UK Prime Minister from 1982 to 1986***, and gave policy advice on technical issues such as warship hydrodynamics (his work led to his appointment as the youngest Trustee of the Hales Trophy for the Blue Riband of the Atlantic), psephological modeling (predicting the result of the 1983 General Election to within one seat), embryological research, hydrogeology (leading to the award of major financial assistance to a Commonwealth country for the construction of a very successful hydroelectric scheme), public-service investment analysis (leading to savings of tens of billions of pounds), public welfare modeling (his model of the UK tax and benefit system was, at the time, more detailed than the Treasury's economic model, and led to a major simplification of the housing benefit system), and epidemiological analysis.



On leaving 10 Downing Street, he established a successful specialist consultancy company, giving technical advice to corporations and governments. His two articles in the Sunday Telegraph late in 2006 debunking the climate-change "consensus" received more hits to the newspaper's website than any other in the paper's history: the volume of hits caused the link to crash.

His contribution to the IPCC's Fourth Assessment Report in 2007 - the correction of a table inserted by IPCC bureaucrats that had overstated tenfold the observed contribution of the Greenland and West Antarctic ice sheets to sea-level rise - earned him the status of Nobel Peace Laureate. His Nobel prize pin, made of gold recovered from a physics experiment, was presented to him by the Emeritus Professor of Physics at the University of Rochester, New York, USA. He has lectured at university physics departments on the quantification of climate sensitivity, on which he is widely recognized as an expert, and his limpid analysis of the climate-feedback factor was published on the famous climate blog of Roger Pielke, Sr. His lecture to undergraduates at the Cambridge Union Society on climate change has been released by SPPI as *Apocalypse? NO!*, a full-length feature movie on high-definition DVD. *Apocalypse? NO!* has been described by Professor Larry Gould of the University of Hartford, Connecticut, as one of the best films ever made on climate change. monckton@mail.com

Dear Senator McCain, Sir,

YOU CHOSE a visit to a wind-farm in early summer 2008 to devote an entire campaign speech to the reassertion of your belief in the apocalyptic vision of catastrophic anthropogenic climate change – a lurid and fanciful account of imagined future events that was always baseless, was briefly exciting among the less thoughtful species of news commentators and politicians, but is now scientifically discredited.

With every respect, there is no rational basis for your declared intention that your great nation should inflict upon her own working people and upon the starving masses of the Third World the extravagantly-pointless, climatically-irrelevant, strategically-fatal economic wounds that the advocates of atmospheric alarmism admit they aim to achieve.

Britain and the United States, like England and Scotland on the first page of Macaulay's splendid *History of England*, are bound to one another by "indissoluble bonds of interest and affection". Here in this little archipelago from which your Pilgrim Fathers sailed, we have a love-love relationship with what Walt Whitman called your "athletic democracy". You came to our aid – to the aid of the world – when Britain had stood alone against the mad menace of Hitler. Your fearless forces and ours fight shoulder to shoulder today on freedom's far frontiers. The shortest but most heartfelt of our daily prayers has just three words: "God bless America!" For these reasons – of emotion as much as of economics, of affection as much as of interest – it matters to us that the United States should thrive and prosper. We cannot endure to see her fail, not only because if she fails the world fails, but also because, as the philosopher George Santayana once said of the British Empire and might well now have said of our sole superpower, "the world never had sweeter masters." If the United States, by the ignorance and carelessness of her *classe politique*, mesmerized by the climate bugaboo, casts away the vigorous and yet benign economic hegemony that she has exercised almost since the Founding Fathers first breathed life into her enduring Constitution, it will not be a gentle, tolerant, all-embracing, radically-democratic nation that takes up the leadership of the world.

Government of the people, by the people and for the people is still a rarity today, and it may yet perish from the earth if America, its exemplar, destroys herself in the specious name of "Saving The Planet".

It will be a radically-tyrannical dictatorship – perhaps the brutal gerontocracy of Communist China, or the ruthless plutocracy of supposedly ex-Communist Russia, or the crude, mediaeval theocracy of rampant Islam, or even the contemptible, fumbling, sclerotic, atheistic-humanist bureaucracy of the emerging European oligarchy that has stealthily stolen away the once-paradigmatic democracy of our Mother of Parliaments from elected hands here to unelected hands elsewhere. For government of the people, by the people and for the people is still a rarity today, and it may yet perish from the earth if America, its exemplar, destroys herself in the specious name of "Saving The Planet".



SCIENCE AND THE CLIMATE: THE FACTS

The facts about “rising temperatures”

You have said: “We have many advantages in the fight against global warming, but time is not one of them. Instead of idly debating the precise extent of global warming, or the precise timeline of global warming, we need to deal with the central facts of rising temperatures ... Today I’d like to focus on just one [challenge], and among environmental dangers it is surely the most serious of all. Whether we call it ‘climate change’ or ‘global warming’, in the end we’re all left with the same set of facts. The facts of global warming demand our urgent attention, especially in Washington. Good stewardship, prudence, and simple commonsense demand that we act to meet the challenge, and act quickly. ... Across the world average temperatures ... seem to reach new records every few years.”

Here, Sir, are the facts about “rising temperatures”. The facts which I shall give you in this letter are taken not from my own imagination, nor from the obscurantist reports of the UN’s climate panel, nor from any lobby group, but from the peer-reviewed scientific literature.

Very nearly all of the citations that support the crucial facts which your advisers seem not to have put before you, and which I shall set forth in this letter, are from peer-reviewed papers. Some, however, such as the documents of the UN’s climate panel, the IPCC, are not peer-reviewed in the accepted sense of the term. Peer-reviewed papers will be indicated by citations with the date in parentheses, thus: Boffin *et al.* (2008). Papers that are not peer-reviewed will be indicated by square brackets, thus: IPCC [2007].

I begin with a geological and historical perspective on global mean surface temperature that your advisors seem to have withheld from you. For most of the past 600 million years, the mode of temperature – the temperature that most often prevailed globally – is thought to have been 12.5 °F higher than today’s temperature: for today’s temperature, in the perspective of the long recent history of our planet, is unusually low.

During each of the last four interglacial periods over the past half-million years, temperature was 5 to 8 °F warmer than the present (Petit *et al.*, 1999).

For 2000 years in the Bronze Age, during the Holocene Climate Optimum (which is called an “Optimum” because warmer is better than cooler), temperature was up to 5 °F warmer than the present. Thanks to the warmer weather, on many continents simultaneously, the world’s first great civilizations emerged.

It was also warmer during the 600 years of the Graeco-Roman warm period, when the twin civilizations that were the foundation of our own flourished in the Mediterranean. And it was warmer during the half millennium of the Mediaeval Climate Optimum, when the Renaissance reawakened humanity after the Dark Ages, and the great cathedrals and churches of Europe were built.

In 2001 the UN’s climate panel made a maladroit and disfiguring attempt [IPCC, 2001] to heighten the baseless alarm that underlies all of its reports by denying that the Middle Ages were warmer than the present. However, three eminent statisticians working at the instigation of your own House of Representatives produced the definitive report [Wegman *et al.*, 2005], confirming the peer-reviewed research of McIntyre & McKittrick (2003, 2005) establishing that the UN’s graph had been doctored so as falsely to deny the reality of the mediaeval warm period, to whose existence hundreds of peer-reviewed papers from all parts of the globe attest.

At both Poles, it was warmer only half a century ago than it is today. For temperatures in the Arctic, see Soon *et al.* (2004). For the Antarctic, see Doran *et al.* (2002).

During the Maunder Minimum, a period of more than half a century ending in 1700 when there were no sunspots on the surface of our Sun, a Little Ice Age occurred all over the world (Hathaway, 2004). In 1700 there began a recovery in solar activity that has continued ever since, culminating in the 70-year Solar Grand Maximum that seems recently to have ended. During the Grand Maximum, the Sun was more active, and for longer, than during almost any previous similar period in the past 11,400 years (Solanki *et al.*, 2005; and see Usoskin *et al.*, 2003; and Hathaway, 2004). A symposium of the International Astronomical Union [2004] concluded that it is the Sun that was chiefly responsible for the warming of the late 20th century.

From 1700-1998, temperature rose at a near-uniform rate of about 1 °F per century [Akasofu, 2008]. In 1998, “global warming” stopped, and it has not resumed since: indeed, in the past seven years, temperature has been falling at a rate equivalent to as much as 0.7 °F per *decade* [Hadley Center for Forecasting, 2008; US National Climatic Data Center, 2008]. Very few news media have given any prominence to this long and pronounced downturn in the temperature trend.

It is now thought possible that no new global annual temperature record will be set until at least 2015 (Keenlyside *et al.*, 2008). Yet the projection of the UN's climate panel had been that temperature would *rise* by about 1 °F during the 17 years to 2015. It is no surprise, then, that Dr. Rajendra Pachauri, the panel's chairman, has called for a re-evaluation of its hitherto very high estimates of "climate sensitivity" – the temperature change in response to the ever-increasing atmospheric concentration of carbon dioxide.

The facts about supposedly "rising temperatures" which I have set out above, can be readily verified by your advisors. If you like, I can assist them in finding the relevant peer-reviewed papers and global temperature datasets. On these facts, there is no scientific basis for your assertion that "We have many advantages in the fight against 'global warming', but time is not one of them."

Since the world is not warming at the rate projected by the UN's climate panel, it follows that the urgency relentlessly suggested by that panel and echoed in your speech is by no means as great as the UN's reports would have us believe.

The correct question, posed by Akasofu [2008], is this: Since the world has been warming at a uniform rate in parallel with the recovery of solar activity during the 300 years following the Maunder Minimum, and since humankind could not have had any significant influence over global temperature until perhaps 50 years ago, if then, is there any evidence whatsoever that the observed anthropogenic increase in carbon dioxide concentration over the past half-century has had *any* appreciable influence, *at all*, on global temperature?

Since the world is not warming at the rate projected by the UN's climate panel, it follows that the urgency relentlessly suggested by that panel and echoed in your speech is by no means as great as the UN's reports would have us believe.

Another relevant question may occur to you: Is it not strange that the "global warming" scare has been *rising* in the media headlines and in the rhetoric of the *classe politique* throughout the past seven years, even though global temperature has been *falling* throughout that period?

Finally, now that you have the facts about temperature before you, it will be evident to you that you were not correct in having said that a new temperature record seems to be set every few years. Despite rapidly-rising carbon dioxide concentrations, there has been no new record year for global temperature in the ten years since 1998; and, in the United States, there has been no new record year for national temperature since 1934 – a record set almost three-quarters of a century ago, and well before humankind could have had any significant influence on temperature.

The facts about carbon dioxide concentration

You have said: "We know that greenhouse gasses are heavily implicated as a cause of climate change. And we know that among all greenhouse gasses, the worst by far is the carbon-dioxide that results from fossil-fuel combustion."

Sir, the first of your two quoted statements requires heavy qualification: the second is scientifically false. The combined effect of the two statements is profoundly misleading.

Greenhouse gases keep the world warm enough for plant and animal life to thrive. Without them, the Earth would be an ice-planet all of the time rather than some of the time. The existence of greenhouse gases, whether natural or anthropogenic, retains in the atmosphere some 100 Watts per square meter of radiant energy from the Sun (Kiehl & Trenberth, 1997) that would otherwise pass out uninterrupted to space.

According to the UN's climate panel [IPCC, 2007], anthropogenic "radiative forcings" from all sources compared with 1750 account for just 1.6% of this total, or perhaps almost 5% if temperature feedbacks as currently overestimated by the UN are taken into account. I say *overestimated* because the sum of the UN's high-end estimates of individual temperature feedbacks exceeds the maximum that is possible in the feedback equation used by the UN, implying that the central estimates are also very likely to be excessive. Your words "*heavily implicated*", therefore, seem somewhat overstated.

As to your second statement, the "worst" greenhouse gas – the one which, through its sheer quantity in the atmosphere, accounts for two-thirds of the 100 Watts per square meter of greenhouse-gas radiative forcing reported by Kiehl & Trenberth (2007, *op. cit.*) – is water vapor. Carbon dioxide accounts for little more than a quarter.

Two-thirds of the carbon dioxide concentration in the atmosphere is naturally present, and carbon dioxide occupies just one-ten-thousandth more of the atmosphere today than it did 250 years ago (Keeling & Whorf, 2004, updated): for the atmosphere is large and we are small.

The UN's climate panel [IPCC, 2007] thinks that a doubling of carbon dioxide concentration compared with 1750 might occur later this century on current trends, and may lead to a global temperature increase of almost 6 °F.

However, numerous papers in the peer-reviewed literature confirm that the UN's central climate-sensitivity projection must be excessive.

Allowing for the fact that the UN's climate panel has exaggerated the effects of temperature feedbacks, the temperature increase in consequence of a doubling of carbon dioxide concentration could be as little as 1 °F. Values as low as this have been suggested in the peer-reviewed literature (e.g. Chylek *et al.*, 2007).

You have proposed, in your speech that three-fifths of the US economy should be closed down by 2060. Do you not think that a far greater degree of scientific certainty as to the effects of minuscule increases in carbon dioxide concentration on temperature would be advisable before strategic damage on any such scale is inflicted upon the US economy from within, and by a Republican?

The facts about the basis of the imagined scientific “consensus”

You have said: “We stand warned by serious and credible scientists across the world that time is short and the dangers are great.”

Sir, the implication of your quoted remark is that the “serious and credible scientists” who are warning us that “time is short and the dangers are great” outnumber the equally “serious and credible scientists” who are not warning us of anything of the kind. The reverse is the case. A recent survey (Schulte, 2008) of 539 peer-reviewed scientific papers published since January 2004 and selected at random using the search term “global climate change” reveals that not a single paper provides any evidence whatsoever that “time is short” or that “the dangers are great”.

The notion of imminent, catastrophic climate change is a fiction that is almost wholly absent in the scientific literature. Indeed, the only papers that predict catastrophe are written by a tiny clique of closely-connected, extravagantly-funded, politically-biased scientists.

Suppose, *ad argumentum*, that the UN's exaggerated climate-sensitivity estimates, proven in the peer-reviewed literature and in the unfolding temperature record to be fantasies wholly unrelated either to scientific theory or to observed reality, are true. Even then, the disasters imagined by the UN's climate panel and by certain politicians are unlikely to occur. Since the UN's estimates are indeed exaggerations, and are known to be so, the only potentially-“credible” basis for the alarmism reflected in your speech falls away. In the scientific literature, there is no “consensus” whatsoever to the effect that anthropogenic “global warming” will be “catastrophic”.

It is vital that you should understand the extent to which the UN's case for panic action is founded not upon theoretical proofs in climatological physics, nor upon real-world experimentation (for nearly all of the parameters necessary to the evaluation of climate sensitivity are not directly measurable, and their values can only be guessed) but upon computer models – in short, upon expensive guesswork.

However, using computer models to predict the climate, even if the input data were known rather than guessed, cannot ever be effective or accurate: for the climate, in the formal, mathematical sense, is chaotic. The late Edward Lorenz (1963), in the landmark paper that founded the branch of mathematics known as chaos theory, proved that long-run climate prediction is impossible unless we can know the initial state of the millions of variables that define the climate object, and know that state to a degree of precision that is and will always be in practice unattainable.

Why is such very great precision necessary? Because it is the common characteristic of any chaotic object, such as the climate, that the slightest perturbation, however minuscule, in the initial value of even one of that object's variables can induce substantial and unpredictable “phase transitions” – sudden changes of state – in the future evolution of the object. Unless the initial state of the object is known to an unattainably high degree of precision, neither the timing of the onset, nor the duration, nor the magnitude of these phase transitions can be predicted *at all*. Accordingly, the predictions go off track very suddenly and dramatically, but ineluctably.

The UN [IPCC, 2001], accepts that the climate is “a complex, non-linear, chaotic object”, and, consequently, that “long-term prediction of climate states is impossible”. Yet it then attempts the impossible by making predictions of climate sensitivity that are already being proven exaggerated by the failure of temperatures to rise as the computer models had predicted (or, recently, at all).

All of the climate models relied upon by the UN predict that the distinguishing characteristic or “fingerprint” of anthropogenic greenhouse-gas forcing as opposed to any other forcings is that in the tropical mid-troposphere, about 6 miles up, temperature over the decades should rise at two or even three times the rate of increase observed at the tropical surface. However, this predicted “hot-spot” over the tropics is not observed in any of the tropospheric temperature datasets since reliable measurements were first taken by balloon-borne radiosondes 50 years ago.

You have proposed, in your speech that three-fifths of the US economy should be closed down by 2060. Do you not think that a far greater degree of scientific certainty as to the effects of minuscule increases in carbon dioxide concentration on temperature would be advisable before strategic damage on any such scale is inflicted upon the US economy from within, and by a Republican?

Douglass & Knox (2006) and Douglass *et al.* (2008) have established that the absence of the “hot spot” predicted by the UN’s models is real, and is not (as was suggested by Thorne *et al.*, 2007) a measurement error or artifact within the estimated uncertainty interval of the observed record. Lindzen (2008) estimates that in the absence of the “hot-spot” the UN’s estimate of climate sensitivity must be divided by at least three. Thus, making this adjustment alone, a doubling of carbon dioxide concentration would raise global temperature not by 6°F but by a harmless and beneficial 2 °F.

You also need to know that the values for climate sensitivity in the computer models – in short, the central estimates of how much the world’s temperature will increase in response to a given rise in the concentration of carbon dioxide in the atmosphere – are not *outputs from* the models, but *inputs to* them. The computers are being told to assume high climate sensitivity [Akasofu, 2008].

Let me summarize the irremediably shaky basis for the UN’s alarmist case. It is not based on physical theory. It is not based on real-world observation. It is based on computer modeling, in which – astonishingly – the models are told at the outset the values for the very quantity (temperature response to increased carbon dioxide concentration) that they are expected to find.

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Now you will appreciate how ridiculous it is, to any competent mathematician, to hear the IPCC claiming that it is “90% certain” that most of the observed warming during the 50 years before the warming stopped in 1998 is anthropogenic. For a start, a 90% confidence level is not a recognized statistical interval: 95% confidence, or two standard deviations, is a recognized interval, but that would be even more absurd than trying to claim 90% confidence for a proposition that depends absolutely for its validity upon parameters that cannot be measured and can only be guessed: and a proposition that is demonstrated to be false with each successive year during which no further “global warming” takes place. It is regrettable that anyone should seek to make policy, as you have done, on such a manifestly unsound basis.

The facts about “rising sea levels”

You have said: “We need to deal with the central facts of ... rising waters.”

The “central facts” about “rising” sea levels are as follows.

Sea level has been rising since the end of the last Ice Age 10,000 years ago. It is 400 feet higher now than it was then. The rate of increase has averaged 4 feet per century. Yet in the 20th century, when we are told that “global warming” began to have a major impact on global temperature and hence on sea level, sea level rose by just 8 inches.

That is just one-sixth of the mean centennial rate over the past 10,000 years. Why so little? Because almost all of the world’s ice – including the vast sheets that once covered much of what is now the United States – melted away long ago.

True, the UN imagines that most sea-level rise will come not from the melting glaciers about which the media so frequently fantasize, but from thermosteric expansion – sea water swelling as it warms. However, thermosteric expansion can only occur if the body of water in question is getting warmer. The oceans are not getting warmer (except in certain regions, such as the Antarctic Peninsula, where there is evidence of undersea volcanic activity).

Lyman *et al.* (2006) reported that the oceans of the world had been cooling since 2003. They published a correction the following year, to the effect that the oceans had not been cooling, but had not been warming either.

Now a definitive study based on readings from 6000 bathythermographs, shows that the oceans have indeed been cooling since at least 2003, in line with the atmospheric cooling noted in the observed temperature record.

It is no surprise, then, that the UN’s climate panel [IPCC, 2007] has been compelled to cut by one-third its previous high-end estimate [IPCC, 2001] that sea level would rise 3 feet by 2100. Its new high-end estimate is less than 2 feet, with a best estimate of no more than 1 ft 5 in.

The world’s foremost expert on sea level is Professor Niklas Moerner, who has been studying nothing but sea level throughout his 30-year career. In a recent paper (Moerner, 2004), he condemns the IPCC for its baseless exaggeration of future sea-level rise, and says there is no reason to suppose that sea level will rise any faster in the 21st century than it did in the 20th – i.e., by about 8 inches.

There is not and has never been any scientific basis for the exaggerated projections by Mr. Al Gore that sea level might imminently rise by as much as 20 feet.

You may well ask whether he actually believed his own prediction and, if so, why he spent \$4-million buying a condominium that – if his prediction were right – would very soon be worthless. In a recent case in the High Court in London, intended to prevent the transmission of alarmist pseudo-science to children, the judge said of Mr. Gore that “the Armageddon scenario that he predicts is not based on any scientific view.”

The facts about “receding glaciers”

You have said: “Satellite images reveal a dramatic disappearance of glaciers ... And I’ve seen some of this evidence up close. A few years ago I traveled to the area of Svalbard, Norway, a group of islands in the Arctic Ocean. I was shown the southernmost point where a glacier had reached twenty years earlier. From there, we had to venture northward up the fjord to see where that same glacier ends today – because all the rest has melted. On a trip to Alaska, I heard about a national park visitor’s center that was built to offer a picture-perfect view of a large glacier. Problem is, the glacier is gone. A work of nature that took ages to form had melted away in a matter of decades.”

The facts about “receding glaciers” are by no means as “dramatic” as you suggest. You cite evidence from just two glaciers. Even if it were pardonable to deploy anecdotal evidence from a couple of glaciers and then to perpetrate the logical fallacy of arguing from the particular to the general, it is evident that your two examples do not represent a sufficient sample to be credible as a basis for drawing the drastic conclusion that you have drawn.

It may surprise you to learn that there are more than 160,000 glaciers in the world [IPCC, 2001]. Your two examples are a minuscule fraction of one percent of the world’s glaciers. Most of these glaciers have never been visited, measured, or analyzed by humankind. The vast majority of them – including the biggest on the planet, which is 250 miles long and 40 miles wide – are in Antarctica, most of which has been cooling for half a century (Doran *et al.*, 2002).

Professor M. I. Bhat, of the Indian Geological Survey, was kind enough last year to communicate to me his results concerning the 9,575 mountain glaciers that debouch from the Himalayan plateau into India. These glaciers, thanks to the British Raj, have been studied and recorded for longer than any others. Professor Bhat reports that most of the glaciers have been receding at a uniform rate since 1880 at the latest. Some of them had begun receding even before this date. His analysis is confirmed on a global scale by Robinson, Robinson & Soon (2007), who report that since 1880 mountain glaciers have receded worldwide at a near-uniform rate, with no appreciable acceleration in the second half of the 20th century, before which time the anthropogenic influence on climate must have been negligible.

Professor Bhat raises the right question: Given that glacial recession began long before humankind could have had any appreciable effect on global temperature, and given that the rate of recession has remained uniform, on what basis can it be said, as you have implied, that it is anthropogenic “global warming” that is causing the glaciers to recede?

The recession of glaciers in the Swiss Alps has revealed mediaeval roadways, forests, and even an entire silver mine that had been buried by ice during the Little Ice Age. The glaciers had not been present in the mediaeval warm period: now they are again absent. There is nothing “dramatic” about this: climate change is indeed real, and has long been occurring for entirely natural reasons. It is far more difficult than the UN’s climate panel and certain politicians have suggested to distinguish between natural climatic cycles and any supposed anthropogenic influence in recent decades. And, as you will now appreciate, it is not scientifically credible to state that the Alaskan glacier you mention had taken “ages” to form. Glaciers come and go quite quickly in response to changing climate cycles.

Mount Kilimanjaro has been one of the poster-children for anthropogenic “global warming”. A certain politician has publicly suggested that the observed recession of the Furtwangler glacier at the summit – which, he says, may lead to the disappearance of Hemingway’s “snows of Kilimanjaro” within a few years – has been caused by anthropogenic “global warming”.

However, the scientific facts are remarkably different. As Professor Bhat might say, the right questions that a true scientist rather than a mere politician would ask are these: When did the recession of the glacier begin? And what has been the trend in temperature at the summit of the mountain? The answers are these: the glacier began to recede in 1880, and more than half of the “snows of Kilimanjaro” had already vanished when Hemingway wrote his novel under that title in 1936. Furthermore, since satellite monitoring began in 1970, the surface temperature at the summit has averaged 12.5 °F below freezing, and has never exceeded 3 °F below freezing (Molg *et al.*, 2003). The glacier is not, therefore, melting. It is ablating, not because of “global warming” but because of desiccation of the atmosphere caused by a prolonged and natural regional cooling, compounded by imprudent post-colonial deforestation of the surrounding territory. The High Court judge rightly had harsh words to say about Mr. Gore’s highly-publicized suggestion that Kilimanjaro had melted because of “global warming”.

In the very cold winter of 2007/8, during which the biggest January-to-January fall in global temperatures since records began in 1880 was recorded, several glaciers in Greenland began to re-advance.

Finally, only a tiny proportion of the future sea-level rise imagined by the UN's climate panel is attributed by it to melting glaciers [IPCC, 2007]. It is true that the excitable media reported that melting glaciers would have a very large effect on sea level, but this was because the UN's bureaucrats had inserted into its 2007 report, after the scientists had signed it off, a table in which the estimated contributions to sea-level rise from glaciers and from ice-sheets had each been multiplied by 10, by the simple expedient of moving four decimal points sideways. When I wrote to the UN pointing out this error, the UN quietly corrected, relabeled, and moved the table: but by then it had obtained the alarmist headlines that had been intended: and not one of the newspapers that had printed the incorrect figure bothered to correct it once the UN had been compelled to revise the table. It is episodes such as this that ought to have led you and your advisors to think very carefully about whether the UN's climate panel is as independent, unbiased, science-based, and competent as would be necessary to justify the very drastic damage which you propose to inflict upon the US economy.

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The facts about “disappearing Antarctic ice shelves”

You have said: “Satellite images reveal a dramatic disappearance of ... Antarctic ice shelves.”

Eight ice shelves, with a combined area that is less than 2% of the area of Texas, have disintegrated in recent years, and one of them has already re-formed. However, it is significant that all of these ice shelves are concentrated in a single area of Antarctica – the Peninsula – which itself represents only 2% of the total area of Antarctica.

There has been no significant recession of ice shelves anywhere in Antarctica except in the Peninsula, where subsea volcanic activity may have contributed to the observed disintegrations, which are in any event to be expected given that global temperature has been rising for 300 years. In the first 250 of those 300 years, humankind could not by any stretch of the most alarmist imagination be conceived to have had any significant impact on temperature or on melting ice.

It is also significant that the Larsen B ice shelf, which disintegrated suddenly a few years ago, had not been present during the mediaeval warm period (Pudsey *et al.*, 2006). As with the glaciers, so with the ice shelves, all we are seeing is a natural cycle in the coming and going of the Earth's ice. Since it was warmer than the present throughout most of the past 10,000 years, it is likely that at many times there has been less ice at either Pole than there is today.

An interesting recent example is the case of what the alarmist clique calls “Warming Island” – a peninsula in northern Greenland that recently turned out to be an island when a small ice shelf joining it to the mainland melted. The news about “Warming Island” flashed around the world, and various news media carried front-page headlines about this latest alleged evidence for “global warming”. Setting aside the consideration – which cannot be too often repeated – that the *fact* of warming tells us nothing of its cause, one methodical researcher decided to see whether there were any earlier maps that showed “Warming Island” to be an island. The researcher did not even have to go back as far as the mediaeval warm period. In fact, he had only to go back to 1957, when a book published by an Arctic explorer plainly showed “Warming Island” as an island. You will recall that in the 1940s the Arctic was warmer than it is today. Therefore “Warming Island” was then an island, and was still visibly an island when the explorer made his map in the late 1950s. Then a natural cooling cycle supervened, and “Warming Island” became what we might call “Cooling Peninsula”. Now it is “Warming Island” again.

On the evidence, therefore, the satellite images of disappearing ice shelves do not provide any scientific basis for assuming that the warming that caused the disintegrations was other than local; or that it was caused by anthropogenic rather than solar or volcanic warming; or that the ice shelves that disintegrated had always been present until the recent disintegration. In short, these disintegrations provide no basis whatsoever for the drastic policies that you have proposed to remedy what is on any view a non-problem.

The facts about “melting polar ice sheets”

You have said: “Satellite images reveal a dramatic disappearance of ... polar ice sheets.”

Here, Sir, are the facts about “melting polar ice sheets”. There are four great polar ice sheets: the East and West Antarctic ice sheets; the Greenland ice sheet; and the Arctic ice-cap. We shall consider each in turn.

The East Antarctic ice sheet is on a high plateau at high latitude. Since most of Antarctica has cooled over the past 50 years (Doran *et al.*, 2002), so much so that environmental damage caused by cold has occurred in some of the Antarctic glens, there is no danger of this ice sheet disappearing, and there are no satellite images revealing that it has done so, is doing so, or is about to do so.

The West Antarctic ice sheet is grounded below today's sea level. From time to time, therefore, the warmer ocean around it causes sometimes very large pieces of the edge of the ice sheet to disintegrate. However, these edges tend to re-form in the long Antarctic winter. Logs kept by whalers going back hundreds of years record flat-topped icebergs – inferentially, pieces of the West Antarctic ice sheet – many hundreds of miles long. So there is nothing new in these occasional breakages from the edge of the ice sheet. They have happened before; they have happened again; and they tell us nothing about whether or to what extent the warming (whether natural or anthropogenic) that ceased in 1998 was or is responsible. We know, however, that both the summer and the winter extent of the sea ice surrounding Antarctica was greater in 2007/8 than at any time since the satellite record began 30 years ago. Therefore the West Antarctic ice sheet gives no ground for alarm.

The Greenland ice sheet, like that of East Antarctica, is on a high plateau. Also, that plateau is ringed by mountains: for the enormous weight of the ice sheet has borne down heavily on the rock below to create a basin in which the bulk of the ice sheet sits. That is why recent alarmist stories about “moulins” – summer meltwaters getting below the ice sheet and lubricating it so as to allow it suddenly to rush down to the sea – are entirely baseless.

Such moulins are not new: they have often been recorded in the past, and they are a normal part of the Greenland summer climate. Some glaciers debouching from the plateau through gaps in the ring of mountains that surrounds it have indeed receded: recently, however, others have advanced. In late May 2008, in south-western Greenland, one would normally have expected spring flowers: however, the snow still lay thick on the ground.

But the most telling evidence of all is that of Johannesen *et al.* (2005), who used satellite interferometry to determine that the mean thickness of the Greenland ice sheet increased by 2 inches per year – a total of 1 ft 8 in – during the decade 1993-2003. Once again, there is no cause for alarm.

The last time the Greenland ice sheet melted was 850,000 years ago: and that melting, of course, occurred entirely through natural causes. The UN's climate panel [IPCC, 2007] says that if the Greenland ice sheet melts again, it will only do so if global temperature was sustained at 4 °F above today's for several millennia. Even then, according to the UN, the cause of any such disintegration would be natural rather than anthropogenic.

The mean thickness of the Greenland ice sheet increased by 2 inches per year – a total of 1 ft 8 in – during the decade 1993-2003. Once again, there is no cause for alarm.

The facts about “reduced snowpack”

You have said: “Our scientists have also seen and measured reduced snowpack, with earlier runoffs in the Pacific Northwest and elsewhere.”

The facts about “reduced snowpack” are not as you have been led to think they are. Once again, after some three centuries of gradual warming, one would certainly expect to see less rather than more snow cover in the Northern Hemisphere. That would not be surprising. Yet, even if it were so, the *fact* of the warming that caused the reduction in snow cover would tell us nothing of the *cause*. However, there has been no reduction in overall snow cover in the Northern Hemisphere in the 30 years since satellites were first able to measure its extent.

Your advisors needed to go no further than the Rutgers University Snow and Ice Lab, which has monitored snow cover in the Northern Hemisphere in the vital winter months for 30 years. During that time, there has been no trend in winter snow cover. There has been no decline at all, either in any individual winter month or at all. Indeed, new records for the extent of Northern-Hemisphere winter snow cover were established in 2001-2 and again in 2007-8, the winter immediately before your speech.

There is, therefore, no scientific basis for the notion that there has been any downtrend in snow cover during the past 30 years. Since natural climate change occurs on regional as well as hemispheric or global scales, there will be some regions with more snow cover and others with less from time to time. But to focus only on those regions with less snow cover, and then to argue from the particular to the general as you have done, drawing the improper implicit conclusion that anthropogenic “global warming” has caused a decline in snow cover, is not only a fallacy of logic but also lacks any scientific foundation in the observed record.

The facts about “sustained drought”

You have said: “We have seen sustained drought in the Southwest ... In the years ahead, we are likely to see reduced water supplies ...”

The facts about “sustained drought” are these. The atmosphere has been warming for 300 years, as the activity of the Sun has increased from the Maunder Minimum that ended in 1700 towards the Grand Maximum of the past 70 years, during which solar activity was greater than at almost any previous similar period in the past 11,400 years (Solanki *et al.*, 2004; and see Usoskin *et al.*, 2003, and Hathaway, 2004). One of the few proven results in climatological physics is the Clausius-Clapeyron relation, which establishes that, as the space occupied by the atmosphere warms, so its carrying capacity for water vapor increases near-exponentially. The UN’s climate panel calls this phenomenon the “water-vapor feedback”.

Over a sufficient timescale of decades, then, a warmer climate will entail not a drier atmosphere but a moister one. Sure enough, some of the world’s driest regions – such as the southern Sahara – have experienced more, not less, precipitation over the period of the satellite record. The Sahara – contrary to the alarmist claims of Mr. Gore – has actually shrunk in area by 300,000 square kilometers over the past 30 years, allowing nomadic tribes to return to regions that they had not occupied within living memory (Nicholson, 1998, 2001).

As to your suggestion that “we are likely to see reduced water supplies”, you have yet again blamed “global warming” for a problem that has nothing to do with warmer weather. As the human population expands, its demands on water supplies increase, leading to shortages. That, and not “global warming”, is why many parts of the world do not have regular supplies of drinking water.

You may have read John Steinbeck’s novel, *The Grapes of Wrath*. It is set in the Great Plains of the 1930s, and its theme is the prolonged and devastating droughts that occurred in the first half of the 20th century but have been absent in the generally warmer and moister climate since.

Once again, therefore, you have argued from the particular to the general when there was no logical or scientific basis for having done so.

The facts about “extreme weather events”

You have said: “We have seen a higher incidence of extreme weather events ... We are likely to see ... a greater intensity in storms. Each one of these consequences of climate change will require policies to protect our citizens, especially those most vulnerable to violent weather.”

Here are the facts about “extreme weather events”. The UN’s climate panel has said, and said repeatedly, that it is not scientifically possible to attribute any extreme-weather event to anthropogenic “global warming”. The most extreme of all extreme-weather events is the hurricane, tropical cyclone, or typhoon. However, there has been no trend in the frequency of hurricanes that make landfall on the eastern seaboard of the United States for a century, even though global mean surface temperatures rose by more than 1 °F during that century. Furthermore, in the past 30 years the frequency of severe tropical cyclones and of severe typhoons has exhibited a pronounced downtrend.

It has long been settled science that a warmer climate would reduce the frequency and intensity of severe storms outside the tropics. Until recently, a minority of dissenting scientists had held that “global warming” might intensify not the frequency but the intensity of hurricanes, tropical cyclones, and typhoons in the region of the Equator. However, it is now known that warmer weather reduces the temperature differential between the Equator and the Poles; and that wind-shear tends to dampen the intensity of the worst hurricanes.

Two prominent dissenters – notably Emanuel (2008) – have resiled in recent weeks from their previously-published opinions to the effect that the intensity of hurricanes might be expected to increase with warmer worldwide weather. There is, therefore, no longer any credible, scientific basis for your implicit conclusion that “a higher incidence of extreme-weather events” has occurred because of anthropogenic “global warming”, for three reasons: first, there has been no increase in extreme-weather events in the observed record; secondly, it is not possible to attribute any individual extreme-weather event to anthropogenic “global warming”; and thirdly, for the past ten years there has been no “global warming”, so that, even if there had been “a higher incidence of extreme-weather events”, which there has not, “global warming” (whether natural or anthropogenic) cannot possibly have been the cause.

The facts about “sudden changes” in animal habits and habitats

You have said: “In the frozen wilds of Alaska, the Arctic, Antarctic, and elsewhere, wildlife biologists have noted sudden changes in animal migration patterns, a loss of their habitat...”

The facts about “sudden changes” in animal habits and habitats are not as you have implied. First, since the climate has always changed naturally (it is, after all, a chaotic object in mathematical terms), animals are constantly having to change their migration patterns, or to move to new habitats as old ones disappear. To take one obvious example,

sea level has risen 400 feet in just 10,000 years. This rise in sea level occurred naturally. Vast lands that were formerly inhabited by a great variety of land mammals are now underwater, and are inhabited by fish. The North Sea is a good example. It was not there 10,000 years ago, and Britain was joined to Europe.

Secondly, since the *fact* of the warming that ceased in 1998 tells us nothing of its *cause*, even where it is possible to attribute significant changes or losses of habitat to warmer weather, and even where such changes or losses are harmful, your implication that the “global warming” that caused these undesirable changes is anthropogenic has no scientific basis.

Scientifically-unwarrantable tendencies to ascribe every adverse event in the biosphere to “global warming” is actually dangerous to the world’s most vulnerable creatures, because it diverts attention and vital resources from the true causes of environmental threats towards the non-problem of anthropogenic “global warming”.

Thirdly, “global warming” – whether natural or anthropogenic – is by no means the most pressing threat to wildlife. The direct intrusion of humanity into the landscape and seascape is the real danger. Scientifically-unwarrantable tendencies to ascribe every adverse event in the biosphere to “global warming” is actually dangerous to the world’s most vulnerable creatures, because it diverts attention and vital resources from the true causes of environmental threats towards the non-problem of anthropogenic “global warming”.

Let me take one example – the polar bear, poster-child of the alarmist faction. Acres of print and hours of electronic media coverage have been devoted to the imagined disappearance of the polar bear’s habitat – the Arctic ice-cap. A question that ought to have occurred to your advisors is this: How long has the polar bear stalked the Arctic, and has the Arctic ice-cap been there throughout that period? The answer is that polar bears evolved from the land-based brown

bear some 200,000 years ago. But 125,000 years ago there was an interglacial period, during which global temperatures – so the ice-core analyses tell us – were about 6 °F warmer than they are today. We may legitimately infer that there was no ice-cap during that interglacial period: yet the polar bears survived. How? Because they are warm-blooded animals and are perfectly capable of surviving on land – such as Greenland, or Siberia, or northern Canada, or Alaska – if there is no Arctic ice-cap.

Therefore, even if it were possible to attribute the disappearance of the Arctic ice-cap to anthropogenic rather than to natural “global warming”, it is not scientifically credible to say that the disappearance would in any way threaten the existence of the polar bears. They survived the far higher temperatures of the previous interglacial period: there is no reason to suppose they would not be able to survive this one.

The facts about “polar bears” responding to “new dangers”

You have said: “You would think that if the polar bears, walruses, and sea birds have the good sense to respond to new conditions and new dangers, then humanity can respond as well.”

The facts are that polar bears are not intelligent beings. Accordingly, they act not by a conscious effort of will but by instinct. They cannot display “good sense”. By natural selection, as they evolved from the brown bear, their coats became white, they became larger and more resistant to cold, and they migrated northward on to the Arctic ice-cap during their hunting season.

The chief danger to polar bears has nothing whatever to do with “global warming” – indeed, a recent survey (Norris, 2001) for the World Wide Fund for Nature shows that in those parts of the Arctic that have warmed the population of polar bears has increased; in those parts that have neither warmed nor cooled the population is stable; and in those parts that have cooled the population has fallen. Polar bears, like us, are warm-blooded animals, and, like us, they prefer warmer weather. The recent bitterly cold winter in the Arctic drove many starving bears to approach human habitations in the hope of finding food.

In those parts of the Arctic that have warmed the population of polar bears has increased; in those parts that have neither warmed nor cooled the population is stable; and in those parts that have cooled the population has fallen.

The real danger to polar bears is hunting. The chief reason for the increase in their population since the Second World War is that both the hunting of polar bears and the culling of the seals on which they feed have been subjected to legislative control. The protection of polar bears and their food supply has worked, is working, and will continue to work. Once again, you have addressed a non-problem by suggesting that the polar bears are at risk (which they are not) because of anthropogenic “global warming”, which will be entirely harmless to them, even if the Arctic ice-cap entirely melts away, as it did 125,000 years ago and may well have done during the two-thirds of the past 10,000 years when global temperatures were warmer than they are today.

But the key question is this: Does the polar bear exhibit the key characteristic of a species at risk? Your advisors might have asked that question. And what is the key characteristic of a species at risk? It is, of course, declining population. However, the population of polar bears is not plummeting. Instead, there are five times as many polar

bears in the Arctic today than there were in the 1940s. As you may think, that is hardly the profile of a species facing imminent extinction as its habitat shrinks away. Polar bears breed in land-based dens. Though their current staple diet is seal-blubber, their land-based origins are still evident in the fact that their favorite delicacy is blueberries, which do not grow on the Arctic ice-cap, but only on land. Even if the ice-cap vanished, as it has done before, the polar bears would not vanish. There is no scientific basis for your attribution of a non-existent threat of extinction of polar bears to the non-problem of anthropogenic “global warming”.

The facts about “more forest fires”

You have said: “*We are likely to see more forest fires than in previous decades ...*”

The facts about forest fires are that, yet again, you have attributed to “global warming” a problem that manifestly has another and more obvious cause. We have already established (or, rather, the great physicist Clausius established long ago) that warmer weather means a more humid atmosphere, so that “global warming” is not very likely to cause “more forest fires”. The obvious principal cause of forest fires is human activities – such as arson, which has accounted for a significant proportion of all forest fires in the United States in recent years, or accidental discarding of cigarette-butts, or arcing power-lines. It would be cheaper, and hundreds of times more effective, to police the forests more efficiently, to educate the population not to light fires near standing timber during dry weather, and to create fire-breaks even in natural forests so that if fires do start they are easier to control.

The facts about “changes in crop production”

You have said: “*We are likely to see changes in crop production ...*”

The facts about crop production are that it is susceptible to changes in the climate, but only if the changes are very substantial. You have only to look at the wide latitudinal distribution of the world’s staple crops to appreciate that – even if “global warming” were continuing, which it is not, and even if humans were the cause, which to a great extent we are not – even substantial rises in temperature are not likely to have an adverse effect on crop yields. Indeed, the UN’s climate panel says that increases of up to 4 °F would be likely actually to increase crop yields. The astronomer Herschel, in 1801, noticed when reading a table of grain prices in Adam Smith’s *Wealth of Nations* that the price of grain was inversely correlated with the number of sunspots visible on the surface of the Sun. The warmer the weather, the higher the grain yield, and – in accordance with the law of supply and demand – the lower the price. So there is no scientific basis for your implication that “changes in crop production” will be negative, or that any negative changes will be caused by anthropogenic “global warming”.

The facts about “heat waves afflicting our cities”

You have said: “*We are likely to see more heat waves afflicting our cities ...*”

The facts about “heat waves” are that they can and do occur naturally, and that their frequency is likely to diminish during periods of global cooling, such as the last seven years. Studies of deaths caused by heat waves in Texas and Mexico, which have identical (and hot) climates, show that heat-induced deaths are a function not so much of temperature as of the economic capacity and administrative and medical skill that are available. A heatwave in Mexico can kill thousands: the same heatwave in Texas will kill no one. The United States has the necessary economic strength (which your proposals for shutting down three-fifths of the economy would of course put at risk). And it has the administrative and medical ability. Consequently, it has learned how to deal with heat waves so as to prevent deaths. Therefore there is no scientific basis for saying or implying that anthropogenic “global warming” is or may become the principal cause of death from heat waves. It is lack of economic and social development that causes deaths from heat waves.

Sir, every one of the reasons that you have advanced for alarm and consequent panic action has been demonstrated to be hollow and without any scientific foundation or merit.

Science and the climate: *conclusion*

Sir, every one of the reasons that you have advanced for alarm and consequent panic action has been demonstrated to be hollow and without any scientific foundation or merit. Yet, if your proposal to close down three-fifths of the economy of the United States is to be justifiable, then not only the false scientific propositions but also the false policy propositions that you have advanced must be shown to be true. Here, then, are ten propositions, with each of which you appear to agree, each of which is actually false. All of these

propositions must be proven true before *any* action is taken to tamper with the climate, still less the fatal, self-inflicted wounds that you would invite your nation to make to her economy:

- | | |
|---|------------------|
| 1. "The scientists, politicians, and media behind 'global warming' are honest": | They are not; |
| 2. "The debate is over and all credible climate scientists are agreed": | They are not; |
| 3. "Temperature today has risen exceptionally fast, above natural variability": | It has not; |
| 4. "Changes in solar activity do not much impact today's global warming": | They do; |
| 5. "Greenhouse-gas increases are the main reason why it is getting warmer": | They are not; |
| 6. "The fingerprint of anthropogenic greenhouse warming is clearly present": | It is absent; |
| 7. "Computer models are accurate enough to predict the climate reliably": | They cannot be; |
| 8. "Global warming is to blame for present and future climate disasters": | It is not; |
| 9. "Mitigating climate change will be cost-effective": | It will not; |
| 10. "Taking precautions, just in case, would be the responsible course": | It would not be. |

We have examined the scientific propositions that you have advanced, and found them wanting. We now turn to your policy prescriptions and the basis for them.

PUBLIC POLICY AND THE CLIMATE

Global intervention: your proposed remedy for "market failure"

You have said: "For all the good work of entrepreneurs and inventors in finding cleaner and better technologies, the fundamental incentives of the market are still on the side of carbon-based energy. This has to change before we can make the decisive shift away from fossil fuels. ... As a nation, we make our own environmental plans and our own resolutions. But working with other nations to arrest climate change can be an even tougher proposition. China, India, and other developing economic powers in particular are among the greatest contributors to global warming today — increasing carbon emissions at a furious pace — and they are not receptive to international standards ... The United States and our friends in Europe cannot alone deal with the threat of global warming. No nation should be exempted from its obligations. And least of all should we make exceptions for the very countries that are accelerating carbon emissions while the rest of us seek to reduce emissions. If we are going to establish meaningful environmental protocols, then they must include the two nations that have the potential to pollute the air faster, and in greater annual volume, than any nation ever in history. "

By now I hope I have established in your mind the possibility, at the very least, that there is no need whatsoever for any controls on the emission of carbon dioxide into the atmosphere that has previously and harmlessly contained 20 times today's concentration. And I trust that you will at least pass this letter to your advisors and invite them to contact me to verify the truth of the facts which I have spelt out here. You owe your nation and its citizens at least that much consideration before you shut down three-fifths of its economy and transfer three jobs in five to China, increasing the world's "carbon footprint" as you do so.

When Sir Nicholas Stern launched his now-discredited report on the economics of climate change, he made it plain from the outset that his analysis was political, and from a Leftist perspective, by announcing that State intervention on a massive scale was necessary to overcome what he described as "market failure". His then Prime Minister, Tony Blair (a Socialist), also used the phrase "market failure" at the Press Conference at which the Stern report was launched.

What you are suggesting in the above-quoted passage from your speech is dangerously close to the Leftist rhetoric of Stern and Blair...it is the State, not the market, that has failed, and it is the State, not the market, that must be cut down to size, regulated, and controlled.

What you are suggesting in the above-quoted passage from your speech is dangerously close to the Leftist rhetoric of Stern and Blair. You are saying, in effect, that the free market on its own is incapable of acting fast enough to prevent worldwide damage caused by anthropogenic "global warming", and that there should be a globalization of *etatiste* interventionism to counter "market failure".

The facts are that the free market can scarcely be blamed for having failed to address an imagined "problem" that has not long been widely talked of; that, now that the free market has been made aware of the imagined "problem", it will be able to deal with the "problem" (to the extent that the "problem" is real) far more quickly and effectively than the State; and that, given the late Milton Friedman's Nobel-prizewinning observation that the State consumes twice as much of the world's resources to achieve a given objective as the free market, it is the State, not the market, that has failed, and it is the State, not the market, that must be cut down to size, regulated, and controlled.

A recent report by an association of manufacturers in the United States, designed to demonstrate how heavy the cost of “carbon trading” would be, said that the consequence of the introduction by the Federal Government of a “cap-and-trade” scheme would be the doubling of electricity prices by 2030. However, the free market has already achieved this doubling in just a couple of years.

This illustrates a central point that your advisors seem to have missed: namely, that even if the fancifully-exaggerated estimates of climate sensitivity generated by the UN’s climate panel were correct (and they are not), the world will have largely run out of the fossil fuels that are the alleged cause of the alleged “problem” long before any significant environmental damage can occur. And long before the fossil fuels become exhausted, their price will rise (thanks to the free-market law of supply and demand), so that the market will ration them by price long before any State-imposed system of rationing, whether by “cap-and-trade” or otherwise, could possibly have gained sufficient public acceptance to make any difference.

Therefore the “decisive shift away from fossil fuels” that you say is necessary will occur – and rapidly – quite irrespective of any action by the State. The economic competitors of the Western nations know this perfectly well. Russia, India, and above all China have made it abundantly plain that they do not propose to reduce their “carbon emissions”.

China, ingeniously, has said that it will happily reduce its “carbon emissions” to the same level *per capita* as the West. This would, of course, entail a considerable *increase* in China’s emissions, and she is already the world’s largest gross emitter. So, even if the West were to close down all of its industries and transport systems and factories and hospitals and schools and power stations, and even if we were to revert to the Stone Age but without the ability even to light carbon-emitting fires, the *growth* in China’s and India’s emissions would entirely replace *all* of our emissions within little more than a decade.

All that we should achieve, if we inflicted upon ourselves a severe enough system of rationing actually to reduce our emissions by the three-fifths you have suggested, would be to transfer our industries, our workers’ jobs, our emissions, and our well-controlled environmental pollution to China, which is opening one or two new coal-fired power stations every week, and whose record of pollution is currently the worst on the planet. What conceivable economic benefit could such a policy have, even if China’s dictators were prepared to go along with it (which they are not)?

So, even if the West were to close down all of its industries and transport systems and factories and hospitals and schools and power stations, and even if we were to revert to the Stone Age but without the ability even to light carbon-emitting fires, the *growth* in China’s and India’s emissions would entirely replace *all* of our emissions within little more than a decade.

Some defects of your proposed “cap-and-trade” policy

You have said: “For the market to do more, government must do more ... The most direct way to achieve this is through a system that sets clear limits on all greenhouse gases, while also allowing the sale of rights to excess emissions. And this is the proposal I will submit to the Congress if I am elected president – a cap-and-trade system to change the dynamic of our energy economy ... As part of my cap-and-trade incentives, I will also propose to include the purchase of offsets from those outside the scope of the trading system ... The cap-and-trade system will create jobs, improve livelihoods, and strengthen futures across our country. ... We need to set a better example in Washington, by consistently applying the best environmental standards to every purchase our government makes.”

Sir, never did I think to see a Republican uttering the words, “For the market to do more, government must do more.” It is, of course, the other way about. For the market to do more, government must do less.

Sir, never did I think to see a Republican uttering the words, “For the market to do more, government must do more.” It is, of course, the other way about. For the market to do more, government must do less. Remember the Friedman multiple: government consumes twice as much – and hence emits twice as much carbon – to do any given thing than the private sector.

Your proposal to introduce “cap-and-trade” would require a vast, complex, costly, bureaucratic nightmare of controls, regulations, intrusions, and interferences that would swiftly and forever destroy the economic vigor and prominence of the United States. And, in doing so, it would actually increase the “carbon footprint” of the nation, by transferring into the inefficient public sector a range of activities that – to the extent that they were necessary or desirable at all – would be far more efficiently and cheaply and hence non-emittingly done than the same activities done by the public sector.

The facts are that “cap-and-trade” is a concept invented by the Environmental Defense Fund – no friends of the Republican party. We shall see, when I reach the final section of this letter, the catastrophic worldwide effect of a previous intervention in politics by this organization. Given the unsatisfactory track record of this organization,

which has long been bitterly and implacably inimical to the Western freedoms for which the Republican party stands, it is no less than breathtaking that you could so insouciantly advocate the introduction of a system of arbitrary, State-controlled rationing at that organization's instigation.

What is "cap-and-trade"? Let us spell it out. First and foremost, it is a complex regime of State-inflicted rationing, by which government officials interfere in the free market by arbitrarily deciding which industries shall or shall not be permitted to emit, and how much each of them shall have the right to emit. The economic distortions caused by this system would be monstrous. Favored industries, with generous permissions to emit, would gain sudden and immense economic advantages at the expense of unfashionable industries, with strictly-curtailed permissions to emit. The industries not favored by the State would either go under or go off-shore. They would leave behind an increasingly unemployed and disenchanting workforce, which would never forgive the Republican party for so deliberate, so baseless and so insensate a destruction of their livelihoods.

For you cannot escape the central flaw of the Environmental Defense Fund's "cap-and-trade" system. If carbon trading is to work, it will not be cheap; and, if it is cheap, it will not work. And when I say it will not be cheap, I am not talking purely in financial terms but in human terms. If you introduce cap-and-trade, you will destroy millions, and probably tens of millions, of jobs throughout the United States and in all sectors of the economy.

And those jobs – the livelihoods of working people and their families throughout the Republic – will have been sacrificed for no environmental benefit whatsoever: for whatever we cease to make, China will make in our place; whatever we cease to emit, China will emit in our place, and will emit in greater quantities because her systems of power generation are far less efficient than our own.

You will not only destroy the livelihoods of tens of millions: you will also increase the planet's total emissions of carbon dioxide. I am not worried by the extra emissions, for they will be harmless; but, if you actually believe (*per impossibile*) what you have said in your speech about the imagined dangers of increased emissions of carbon dioxide, then you had better abandon "cap-and-trade" at once: for the policy you propose would be calculated to increase the world's carbon footprint, not to reduce it.

And those jobs – the livelihoods of working people and their families throughout the Republic – will have been sacrificed for no environmental benefit whatsoever... You will not only destroy the livelihoods of tens of millions: you will also increase the planet's total emissions of carbon dioxide.

The chimera of "market rewards for alternative energy"

You have said: "*As never before, the market would reward any person or company that seeks to invent, improve, or acquire alternatives to carbon-based energy.*"

The facts are that the greatest market incentive is price. While fossil fuels were plentiful, cheap and not in heavy worldwide demand, there was no market incentive to develop new technologies. Now, the price of oil has increased by 1000% in five years, thanks to the free-market law of supply and demand. Therefore, the market has already multiplied by ten the rewards for developing and deploying alternatives to oil.

Since there is no longer any spare capacity in the system of oil production, and since most oilfields are in nations with unstable regimes at least as inimical to the West as your friends in the Environmental Defense Fund, and since China, India, Indonesia, Russia, and Brazil are growing rapidly and using more and more oil, the market will continue to increase the price of oil and, therefore, the incentive to find and fund alternative technologies. On any view, that is market success, not "market failure".

What, then, would happen if you were to introduce a State-inflicted rationing system on an economy already reeling under the oil-price shock? Even if there were a scientific case for cutting carbon emissions (which there is not), there is now not the slightest economic case for doubling the damage already caused by the increase in oil prices by imposing "cap-and-trade" on top.

If you were to impose "cap-and-trade" on top of steep and inexorably-continuing increases in the price of oil, you would merely drive the economy from recession to destruction. In short, the market has already done your job for you. Gasoline prices are higher than they could ever have been under a "cap-and-trade" regime; so are electricity prices. You can safely leave the market to bring about reductions in carbon emissions. No State intervention is either necessary or desirable.

Capital in the service of freedom: Smith's "invisible hand"

You have said: "It is very hard to picture venture capitalists, corporate planners, small businesses and environmentalists all working to the same good purpose. But such cooperation is actually possible in the case of climate change, and this reform will set it in motion."

Sir, please re-read Adam Smith's *Inquiry into the Nature and Causes of the Wealth of Nations*. It was Smith – the world's first economist, and one of its best – who first drew attention to the fact that entrepreneurs are guided as if by "an invisible hand" to provide what their customers want and need. Capitalism is built upon this foundation. It is precisely because entrepreneurs only prosper by giving people what they want that capital and liberty go everywhere hand in hand.

Directly contrary to what you say, it is not in the least hard to picture venture capitalists, corporate planners, and small businesses working together to the same good purpose. However, environmentalists are not always working to a good purpose. They are a narrow, special-interest group just like any other. It would be foolish to ignore the fact that, after the Berlin Wall fell, many on the Left found a new home in the environmental movement, seeing it as the new hope for the destruction of the Western, capitalist hegemony that they so detest.

One of the founders of Greenpeace – a man with a genuine concern for the environment but otherwise with no political opinions – has told me that he was compelled to leave the movement after a year, when the international Socialist Left took it over and used its true objectives as a mere front for what is in all material respects indistinguishable from Communism.

His testimony – and other founders of Greenpeace have agreed with him – ought to alert you to the reality that the environmental movement in general, and the "global warming" alarmists in particular, may have an agenda that is political rather than environmental – an agenda that is a serious, strategic threat to the peace, security, prosperity, and liberty of the West, and an immediate and pressing threat to the very survival of the poorest peoples of the world.

At the very least, there is an obvious coincidence of interest between those who persistently exaggerate the supposed adverse consequences of "global warming", as you have done in your speech, and those who have long planned and intended to dismantle and destroy the economies and liberties of the free and prosperous West from within. In our schools, the slick, relentless propaganda of the alarmists – based not on fact but on fear – infects the minds of innocent children. Gripping children in a self-serving, manipulative state of fear robs them of their childhood.

The environmental movement in general, and the "global warming" alarmists in particular, may have an agenda that is political rather than environmental – an agenda that is a serious, strategic threat to the peace, security, prosperity, and liberty of the West, and an immediate and pressing threat to the very survival of the poorest peoples of the world.

In our newspapers and on our television channels, the same half-baked but ingenious propaganda is shamelessly peddled, with little or no attempt either at balance or at genuine identification and presentation of the scientific truth. Among our *classe politique*, "global warming" is seen not as a crusade to "Save The Planet", but rather as a priceless opportunity to extend the empires of the new and growing aristocracy of overpaid, over-privileged bureaucrats and the politicians who cravenly serve them, and to increase the taxes and imposts inflicted on the people, and to intrude into every aspect of our lives, from the light-bulbs we use to the automobiles we drive.

It is to this admittedly powerful coincidence of interests between the international Left and the powerful educational, media, and political lobby groups that your speech has imprudently pandered. You, of all people, who have served your country and the cause of freedom so gallantly, and who have been tortured and imprisoned to keep us free, ought to be alive to the threat to our liberty that the perversion of environmentalism that is the "global warming" scare ineluctably entails.

In giving naïve and uncritical credence to the pseudo-scientific gibberish that is "global warming"; you have adopted a policy long beloved of our own Foreign Office – that of the pre-emptive cringe.

As Francis Bacon wrote in one of his *Essays*, "Walled towns, stored arsenals and the like be to no avail except the spirit of the people be stout and warlike." If the spirit even of a courageous warrior such as you is no longer stout or warlike, what is the point in maintaining armed forces to defend our freedoms and our interests throughout the globe? What is the point of keeping troops in Iraq or Afghanistan, bases in Guam or Diego Garcia, intelligence operations in Cyprus or Beirut?

In giving naïve and uncritical credence to the pseudo-scientific gibberish that is "global warming"; you have adopted a policy long beloved of our own Foreign Office – that of the pre-emptive cringe. You have declared to the enemies of liberty

and of capital that they have won; and that the opening words of your Declaration of Independence about "life, liberty, and the pursuit of happiness" are henceforth irrelevant, meaningless, and one with the Treaty of Westphalia, which Pope Innocent X described as "null, void, invalid, damnable, reprobate, inane, and empty of meaning for all time."

The heavy cost of the economic destruction you propose

You have said: “We will cap emissions according to specific goals, measuring progress by reference to past carbon emissions. By the year 2012, we will seek a return to 2005 levels of emission ... by 2020, a return to 1990 levels ... and so on until we have achieved at least a reduction of sixty percent below 1990 levels by the year 2050. ... In pursuit of these objectives, we cannot afford to take economic growth and job creation for granted ... We want to turn the American economy toward cleaner and safer energy sources. And you can’t achieve that by imposing costs that the American economy cannot sustain.”

Let us translate what you have said into plain English. You have said that within 42 years – the working lifetime of a high-school graduate today – the policies which you propose to introduce will have shut down, deliberately, consciously, and to no environmental benefit whatsoever, more than three-fifths of the entire United States economy. You propose to throw your nation back in the direction of the Stone Age – electricity one day a week if that, automobiles replaced by horses and carts, elevators replaced by stairs, all aircraft grounded, the conquest of space abandoned, factories silent, at least one hundred million jobs destroyed and transferred to China, the machine-press and combine-harvester replaced by the hammer and sickle.

You have naively assumed that, somehow, new technologies will emerge to replace fossil fuels and nuclear power (for, like oil and gas, uranium will also be largely exhausted and at best prohibitively expensive by the year 2050). Let us briefly examine the credibility of this assumption. At present, fossil fuels and nuclear power, between them, provide more than 98% of the energy we use. So-called “renewable energy” accounts for less than 2%. Even the UN’s climate panel no longer believes that you can close down 98% of your nation’s power supplies and retain anything more active than a Stone Age economy.

At present, fossil fuels and nuclear power, between them, provide more than 98% of the energy we use. So-called “renewable energy” accounts for less than 2%.

Already, some 60 coal-fired power-plants have been refused zoning consent for construction in the United States. You have been culpably silent in the face of this attack on the economic lifeblood of your nation, and on the jobs and prospects of the working people who extract the coal and convert it into the electric power your nation needs. I say “culpably”, because proven reserves of coal will last for at least 300 years, whereas all other major sources of electric power, fossil or nuclear, will be either exhausted or prohibitively expensive within 50 years.

The pretext for this potentially-fatal, self-inflicted wound on your nation’s economy is that the burning of fossil fuels will enrich the atmospheric concentration of “greenhouse gases”, causing a dangerous warming of the planet which must be prevented at all costs. If you have done me the kindness of reading the first part of this letter, you will have been given good reason – with dozens of references to learned papers in the peer-reviewed, scientific journals – to disbelieve any such apocalyptic nonsense.

At the very least, I implore you and your advisors to look very much more closely at the supposed science behind the notion that the planet would be at risk if the concentration of carbon dioxide in the atmosphere were once again to reach a concentration one-tenth of that which occurred – without disaster – in the Cambrian Era. One only has to mention that single fact to draw the attention of any reasonably impartial mind to the probability that the supposed threat posed to our planet by “global warming” must have been exaggerated beyond all reason.

The carbon footprint of the economic interferences you propose

You have said: “Over time, an increasing fraction of permits for emissions could be supplied by auction, yielding federal revenues that can be put to good use. Under my plan, we will apply these and other federal funds to help build the infrastructure of a post-carbon economy. We will support projects to advance technologies that capture and store carbon emissions. We will assist in transmitting wind- and solar-generated power from states that have them to states that need them. We will add to current federal efforts to develop promising technologies, such as plug-ins, hybrids, flex-fuel vehicles, and hydrogen-powered cars and trucks. We will also establish clear standards in government-funded research, to make sure that funding is effective and focused on the right goals.”

It is understandable that you should have made a conscious decision, in framing your policies to adopt a “One-Nation” approach, reaching out to those in the Democrat party whose central belief is in government of the people, by the bureaucracy, and for the bureaucracy – in short, in the tyrannical, anti-democratic system of command-economy administration that we in Europe would call Communism, or Fascism, or International Socialism: there is little to choose between them except in the numbers of people they kill.

With respect, however, your proposal vastly to increase the powers and intrusions and costs of the federal administration at the expense of the rights and freedoms and prosperity of the individual citizen goes very much too far. Every attempt made by any government to dictate the future shape or size or direction of its national economy by the fiat of its ruling elite has ended in failure. Your proposal to command the reshaping of the economy from the center has no merit, not merely because there is no scientific or economic need for it, but because, even if there were, it cannot and will not work.

Remember Friedman's multiple. The State consumes twice as much resources as the private sector in performing any given function. Therefore, if you truly believe that the planet is menaced by an insignificant and harmless increase in the atmospheric concentration of a trace gas that is essential to life, then your first duty should be to do the reverse of what you propose: in short, to shut down all unnecessary functions of the federal administration altogether, and to transfer as many as possible of the remainder to the private sector, which has already done a better job of disincentivizing the consumption of fossil fuels in just two years than your proposed "cap-and-trade" system is expected to do in almost a third of a century.

We can no longer afford the luxury of over-extended, over-ambitious, centralized government. The framers of your Constitution intended that power and wealth should be and remain in the hands of the people. Your proposal to concentrate vast additional powers in the hands of government is not merely doomed to ignominious failure; it is not merely guaranteed to increase your nation's "carbon footprint" under the guise of taking steps to reduce it; it is an explicit and abject abandonment of the liberty for which the Republican party stands. If you continue to advocate a policy so purposeless and so self-defeating, you will lose the Presidential race, and lose it spectacularly: and you will deserve to lose.

Your pointless devotion to the pointless Kyoto protocol

You have said: *"I will not permit eight long years to pass without serious action on serious challenges. I will not accept the same dead-end of failed diplomacy that claimed Kyoto."*

Let me, once again, put the facts before you. During the "eight long years" of the Presidency of the current leader of your party, the United States has succeeded in reducing its "carbon emissions", while the European Union has not; and, during those "eight long years", there has been no increase whatsoever in global mean surface temperature; during seven of those "eight long years", worldwide temperature has actually fallen; and, during those "eight long years", more and more peer-reviewed scientific papers have queried every major tenet of the "consensus" that you believe in.

Under the previous administration – that of Clinton and Gore – the Senate voted unanimously, 95-0, to reject the Kyoto Protocol and any other treaty that imposed upon the United States obligations to reduce its "carbon emissions" that were not also imposed upon China, India, and other substantial emitters worldwide. Faced with this clear and entirely sensible expression of united will on the part of all parties in the Senate, combined with the rickety and uncertain scientific case for global panic, why should George Bush have diverted federal energies and funds towards the chimera of "climate change" with any sense of urgency, or in any greater amounts than those which his administration has already so generously spent? Besides, the United States appears to have acted with a greater sense of urgency than most countries that signed Kyoto – for, unlike most of them, it has reduced its "carbon emissions".

The Kyoto Protocol would have failed whether or not the United States had agreed to participate. Why? First and foremost, because nearly every nation that is obliged by that Protocol to reduce its "carbon emissions" to the levels that obtained in 1990 by 2010 will fail to meet its target unless (as some countries have done) it artificially increases the amount of emissions that it made in 1990. As the European Union lectures the world about the need to control their emissions, its own emissions relentlessly rise year by year, even as those of the United States fall.

Secondly, the Kyoto Protocol was designed to allow its signatories to evade their responsibilities under it. There is no mechanism in the Protocol for enforcing emission control on defalcating signatories: even if there were, there is (thank Goodness) no international army or police force strong enough to carry out the task of enforcement.

And the Protocol was designed to allow, and even to encourage, fraud. Not only have signatories fiddled their 1990 emissions to allow themselves the right to emit more in 2010 than they did in 1990; many of them have set up "cap-and-trade" schemes, such as that which you have proposed, and have then fiddled the operation of the schemes. The European dictatorship, for instance, allowed each of its satrapies to trade quantities of emissions that exceeded their current total emissions by a comfortable margin. That is why the European "cap-and-trade" scheme collapsed.

Kyoto expires in 2010. So far, there is no agreed international mechanism to replace it. Nor is there any need for one – whether urgent or otherwise. The "climate problem" is in truth a non-problem: and the correct policy for addressing a non-problem is to have the courage to do nothing.

The threat that your policies pose to international free trade

You have said: “If the efforts to negotiate an international solution that includes China and India do not succeed, we still have an obligation to act. In my approach to global climate-control efforts, we will apply the principle of equal treatment. We will apply the same environmental standards to industries in China, India, and elsewhere that we apply to our own industries. And if industrializing countries seek an economic advantage by evading those standards, I would work with the European Union and other like-minded governments that plan to address the global warming problem to develop a cost equalization mechanism to apply to those countries that decline to enact a similar cap. ... Pressing on blindly with uncontrolled carbon emissions is in no one’s interest, especially China’s.”

Those who oppose the freedom that capitalism brings with it have always and everywhere been opposed to free trade. Once again, it is baffling that a Republican presidential candidate should threaten to gang up with the European dictatorship (which has always been implacably opposed to free trade, and has repeatedly done its best to wreck the settlement rounds of the World Trade Organization) to try to bully China, India, and other heavy emitters of harmless carbon dioxide into emitting less. Your “cost equalization mechanism” is protectionism under a fancy name. It would have catastrophic economic consequences worldwide: but the greatest harm it would cause would be to America herself.

Consider what would happen if your “cost equalization mechanism” were imposed on China. Then the workers in your own country whom you had flung out of work under the pretext of “Saving The Planet” would not even have the compensating advantage of being able to buy cheaply from China the goods that they had themselves made until you had stopped them. All goods, worldwide, would become more expensive. Free trade, which has allowed not only the free West but also the emerging tigers of Asia to grow and prosper, would be stifled. That would not only harm the United States: it would also harm those nations against which it was directed.

In any event, the United States no longer has it in her power to interfere with international free trade in the dismal, unconstructive manner you have proposed: for it is the World Trade Organization, not the Federal Government, that now protects world trade against protectionism.

You may answer that a sovereign nation always retains the right – or, if not the right, at least the power – to unmake a treaty that is no longer congenial. Not so. If you tamper with the delicate flower of free trade that the World Trade Organization has so patiently established in recent decades by resiling unilaterally from it and reintroducing protectionism, even for purposes that you imagine (however wrongly) to be beneficial, you will inflict incalculable poverty and misery not only upon your own working people but upon the less fortunate peoples of other nations. No policy could be more irresponsible than this. I urge you and your advisors to reconsider, before it is too late.

The immorality and the cruel consequences of your proposals

The UN’s climate panel, in its various quinquennial reports, has in the past advocated the substitution of one gallon in ten of gasoline by “biofuels”. Unthinking politicians worldwide, panicked by the nonsensical calculations by the UN’s climate panel (calculations that egregiously exaggerate the actually very limited effect of carbon dioxide on climate), rushed to support the “biofuels” program, under which agricultural land that had previously been used for growing food was instead used for growing fuel for automobiles.

Now, in all parts of the world, real and serious harm is being caused by the sudden rise in world food prices that is the direct and obvious consequence of the international dash for “biofuels”.

The entirely predictable result was a doubling of the world price of all major, staple foods. Previously, food production and consumption had been reasonably in balance, except in those countries where dictatorship rather than democracy was the rule. In Africa, for instance, post-colonial dictators such as Mugabe and his carbon-copy “politburo” in Zimbabwe keep their people starving; and in Europe, the dismal dictatorship keeps millions of acres of productive land lying fallow, notwithstanding the will of its unconsidered peoples (who have no say and no vote in this or any other matter within what is laughably described as the “competence” of the European Union).

Now, in all parts of the world, real and serious harm is being caused by the sudden rise in world food prices that is the direct and obvious consequence of the international dash for “biofuels”. It matters not that learned paper after learned paper demonstrates with devastating clarity the fact that the production and use of “biofuels” emit more carbon dioxide than the production and use of the gasoline they so inefficiently replace.

In Haiti, the doubling of food prices that resulted directly from the “biofuels” fiasco has forced the poorest of the poor to live on mud pies. Here is the recipe. Mix 6 oz. of soil with enough water to make a paste. Add a pinch of salt

and a tiny knob of butter. Stir vigorously. Bake in the sun until dry and hard. Serve, or sell to neighbours for 3 US cents.

Sir, policies – however well-intentioned – have consequences. No one doubts that your intentions in proposing what you have proposed are honorable. But the road to starvation is paved with good intentions. There have been food riots in poor countries throughout the world, as the first victims of the “climate change” policies that you have so uncritically endorsed can no longer afford to feed themselves or their children.

No surprise, then, that even the UN has begun to reconsider its position. At first, it favored the conversion of food into “biofuels”. Then, last year, one of its senior spokesmen called for a five-year moratorium on the conversion of food to biofuels. Now, the UN’s rapporteur on food for the poor has said that when so many are starving it is “a crime against humanity” to burn their food in our automobiles. The consequence of the policy to which you have given your enthusiastic support is mass starvation. And that, Sir, is morally unacceptable.

Earlier in this letter I undertook to illustrate the track record of the Environmental Defense Fund, which invented the “cap-and-trade” policy that you advocate with such insouciant enthusiasm. It was the EDF that brought the legal case that led to the ban on the use of DDT first in the US and then throughout the world.

The UN’s climate panel makes no mention of the three letters “D”, “D”, and “T” in its mendacious ramblings about the alleged (but in reality non-existent) link between warmer weather and the prevalence of malaria. Therefore I should explain that DDT is the only effective agent against the mosquitoes that carry malaria; that its inventor won the Nobel Prize for Medicine because the use of DDT had reduced malaria deaths worldwide; that DDT is entirely harmless to humans, who can eat it by the tablespoonful and not come to any harm; and that, if sprayed in the interior of dwellings, it will not cause any harm to wildlife, except to mosquitoes.

Yet DDT was banned. The effect of the ban was murderous. Annual malaria deaths swiftly rose from 50,000 to 1 million. In a third of a century, the excess deaths caused by the ban on DDT amount – according to the scientific literature – to between 30 and 50 million. Therefore, Sir, if you or your advisors are ever tempted to say that we should introduce such drastic measures as “biofuel” development or “cap-and-trade” or shutting down three-fifths of the US economy, as a precaution just in case the UN’s climate panel and other politicized extremists are right, I pray that you will think again. The “precautionary principle” is not a principle: nor do its advocates pray it in aid for any other reason than to provide a specious credibility for policies that would otherwise be self-evidently purposeless and cruel.

The “precautionary principle” is not a principle: nor do its advocates pray it in aid for any other reason than to provide a specious credibility for policies that would otherwise be self-evidently purposeless and cruel.

The very body that invented the “cap-and-trade” scam that you now propose to sanctify as a policy of the Republican party in government would have the deaths of 50 million children – for it is children who are nearly always the victims of malaria – on its conscience. If, that is, it had a conscience. And, lest its apologists and spin-doctors dare to challenge my presentation here of its murderous role in the DDT ban, I shall recount a past event.

During the final stages of the case that led to the ban on DDT, the Board of the Environmental Defense Fund met with its lawyer. He said to the Chairman: “Sir, I beg you not to press for a total ban on DDT. If you succeed in getting it banned altogether, tens of millions of children will die of malaria. My advice is that, for pressing scientific reasons, you should allow it to be used indoors, so that children will not be bitten at home.”

The lawyer carefully put before the Board the scientific evidence he had accumulated, and just as carefully – for he was scientifically literate and competent – he spelled out exactly why and how a total ban on DDT would kill tens of millions, and undo a malaria eradication program that had almost succeeded in wiping this curse from the Earth.

And what was the reaction of the Board of the Environmental Defense Fund – your allies in introducing yet another mad scheme based on a policy that is already killing people of starvation in the world’s poorest countries? They dismissed their Counsel on the spot. As he left the room, he heard the Chairman say to the Board, “That’s the last time we ever again employ a lawyer who knows anything about science.”

There is, however, some glimmer of what may eventually be a happy ending. On September 15, 2006, the World Health Organization – under intense humanitarian pressure from me and many others – at long last reversed the ban on the production and use of DDT. Not only that, but the WHO now once again recommends DDT as the first line of defense against the mosquito.

Dr. Arata Kochi of the WHO, announcing the end of the DDT ban, said that in this field politics usually prevails, but that it was now time to pay heed to the science and the data.

The Environmental Defense Fund, as one of its lines of argument when obtaining the ban on DDT, had said that, even if there was no scientific case against a ban, a ban should be imposed anyway, as a precaution. That “precaution” killed 30-50 million children.

That is why it is necessary not to be careless about the science; not to believe grand-sounding international organizations which put their own political predispositions and financial interests ahead of the common interest and even the life of humanity; not to accept the case for climate alarm merely because it suits you to be seen to reach out to the millions of young people who have been relentlessly propagandized in their schools, or to cross the political divide and attract voters from the Democratic electorate; not to advocate or adopt policies which originate with an organization that had knowingly adopted and inflicted on the US and the world a policy that it had been told would kill tens of millions, but pursued that policy regardless.

That “precaution” killed 30-50 million children.

That is why it is necessary that you should have the courage and honesty to do what marks out the statesman from the mere politician: to change your mind; to admit that, in relying upon a policy advocated and promoted by the lavishly-funded Environmental Defense Fund, you do not wish to repeat the slaughter of the innocents; to cast aside the corrupt folly of the climate scare and of the policies which its promoters self-servingly advocate; and to tell the people that not another penny will be diverted from the real environmental problems of the world to the non-problem of “global warming” unless and until compelling scientific evidence of the imagined planetary threat shall have been provided. For the avoidance of doubt, the diffuse and corrupt ramblings of the UN’s climate panel do not constitute scientific evidence, but a deliberate, artful, systematic fraud.

Let me end this section of my letter by summarizing the moral arguments against alarmism. A certain tendentious Democrat politician goes about saying that what he fatuously calls the “climate crisis” is “a moral issue.” So it is. To “announce disasters”, as the UN climate panel’s first scientific chairman admitted he was doing, or “scary scenarios”, as one of the handful of extremist scientists who support the more wayward conclusions of the UN admitted he was inventing, or “over-represent factual presentations”, as a certain Democrat politician admitted he was doing, in place of adherence to the scientific truth – that is a moral issue.

To let politicians insert data into official scientific documents; to alter those documents so as to contradict scientific findings; to manipulate decimal points so as to engender false headlines by exaggerating tenfold – those are moral issues.

To exaggerate twenty-fold not only the atmospheric lifetime of a trace gas but also the effect of that gas on temperature; to reduce the magnitude of its predicted influence on temperature without reducing the predicted temperature itself – those are moral issues.

To claim scientific unanimity where none exists; to assert that catastrophe is likely when nearly all scientists do not; to exalt theoretical computer models over real-world observations; to misstate the conclusions of scientific papers or the meaning of observed data; to overstate the likely future course of climatic phenomena by several orders of magnitude – those are moral issues.

To reverse the sequence of events in the early climate; to infect the minds of children with baseless propaganda intended to terrify them; to persist in false denial that past temperatures exceeded today’s; to state that climate events that have not occurred have occurred; to ascribe these non-events as well as specific extreme-weather events unjustifiably to humankind – those are moral issues.

To propose, as you have proposed, solutions to the non-problem of climate change that would cost many times more than the problem itself, if there were one; to advocate, as you have advocated, measures to mitigate fancifully-imagined future climatic changes when adaptation would cost far less and achieve far more; to ignore, as you have ignored, the real problems of resource depletion, energy security, bad Third World government and fatal diseases that kill millions – those are moral issues.

To advance, as you have advanced, policies congenial to the narrow, short-term political or financial vested interest of some mere corporation or faction at the expense of the wider, long-term general interest of us all – those are moral issues.

Above all, to propose, as you have proposed, to inflict upon the nations of the world a policy of ever-grimmer energy starvation calculated not merely to inconvenience the prosperous but to condemn the very poorest to remain imprisoned in poverty forever, and to die in their tens of millions for want of the light and heat and power and food which we have long been fortunate enough to take for granted – that is a moral issue.

Sir, in each of us, however far apart in mere distance or origin or wealth or achievement, there is the image and likeness of our Creator. By this intimate communion with our Maker each of us, however poor, is of unique and precious value. Therefore there is only one race, the human race. The suffering, starving children of Africa, of Asia

and of South America, imploring us with their hopeless, hopeful eyes, are our people. They cannot look to their own. They look to us. We must get the science right or we shall get the policy wrong. We have failed them and failed them before. We must not fail them again.

The strategic threat to your nation's leadership of the world

You have said: “We need to keep our eyes on big goals in energy policy, the serious dangers, and the common interests of the American people.”

The central “goals of energy policy” are security of supply, security of supply, and security of supply, in that order. All other goals are secondary to security of supply. If you run out of energy, then you have no energy policy. Resource depletion will be the hard reality of the 21st century. Demand for gasoline and for electrical power is already outstripping the capacity of the world's fossil-fuel corporations: therefore the iron law of supply and demand is driving up the price of oil and of electrical power worldwide.

And what does your speech say about these increases in the price of oil and electricity which you and I can perhaps afford, for now, but which the poorer people of your own nation and of other nations cannot? Your speech says nothing about security of supply, except to express a vague hope that windmills and waves and tides and sunshine will at some imagined future date, in some unspecified manner, replace the 98.5% of the world's energy that is currently supplied by nuclear power and by fossil fuels.

If you run out of energy, then you have no energy policy.

The real, pressing, “serious dangers” to the peace, prosperity, and freedom of the world are the dangers that spring from the very measures you propose to drive away the fearsome-sounding but harmless climate bugaboo.

The “serious dangers” that you speak of are not dangers arising from the very slightly warmer weather that the world may enjoy as a result of enrichment of the atmosphere by fractional increases in the proportion of the air we breathe in that is occupied by carbon dioxide such as that which we breathe out. The real, pressing, “serious dangers” to the peace, prosperity, and freedom of the world are the dangers that spring from the very measures you propose to drive away the fearsome-sounding but harmless climate bugaboo.

The world needs the United States to continue as the engine-house of prosperity, the wellspring of invention, the hope of freedom, the guarantor of peace. You must not transform your great nation into merely another stifling, inept, corrupt, bureaucratic-centralist dictatorship such as China, Russia, or the European Union.

We owe your country much, and, because you have given us much, we look to you to give us more. We look to the United States for a continuation of her leadership of the world, for what you have called “the common interests of the American people” are the strategic interests of humanity itself.

Not for a single moment longer must you allow yourself to be distracted by the murderous foolishness of the climate alarmists. If the United States does not stand firm against cruel, pseudo-scientific nonsense of the sort that is already killing millions through purposeless starvation, then who will stand firm? Not Britain, alas, nor Europe, for we are closed countries now, administered by closed minds.

Only your “athletic democracy” can save us now – save us from the follies of policy that will merely inconvenience the prosperous but is already killing the poor. Therefore, Sir, I end this letter with the words of your poet Longfellow, addressed by Winston Churchill to your great wartime President in that darkest hour before the new dawn of freedom:

Sail on, o ship of State;
Sail on, o Union strong and great:
Humanity, with all its fears,
With all the hopes of future years,
Is hanging, breathless, on thy fate.



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