



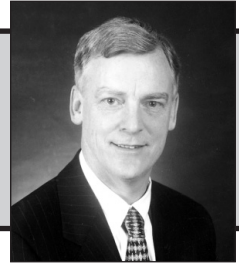
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GLOBAL WARMING

Manager's Column



Richard Fowler

Because there is such an overwhelming media and political belief that global warming is an issue that needs to be addressed, our national trade association (NRECA), is pleading with congress to consider the cost of such legislation and consider the research and development needed to achieve the goals that environmentalists want us to achieve. It is with that focus in mind that we appeal to our members to sign a card challenging our elected officials to evaluate the cost of such a policy. In Missouri alone, electric cooperative members have sent over 150,000 emails to Washington pressing our elected officials on this subject. If you have not participated in this process, please drop by our office and sign a card which will alert politicians of our concerns, or call us at 660-248-3311 and we will mail you a card to sign.

There are some who will say, "You know, cost doesn't matter. If man-made global warming causes worldwide catastrophic disasters, then we should spend whatever it takes to fix the problem." Now I ask you, how can we disagree with that? And so, that begs the question, "Is there scientific evidence that human release of carbon dioxide will cause catastrophic climate disasters?"

Well, on this point, there are those who will say, "Richard, you are not a scientist. You can plead with politicians to consider the costs of global warming legislation, but you can not argue the science," and I do understand that. I am not a scientist.

But there are more than 31,000 scientists including more than 9,000 Ph.D.s in fields such as atmospheric science, meteorologists, climatology, earth science, environmental scientists, and dozens of related areas of study who have signed a petition stating:

"There is no convincing scientific evidence that human release of carbon dioxide...is causing, or will...in the foreseeable future, cause catastrophic heating of the Earth's atmosphere and disruption of the Earth's climate. Moreover, there is substantial scientific evidence that increases in atmospheric carbon dioxide produce many beneficial effects upon the natural plant and animal environments of the Earth."

That list of scientists can be found at www.petitionproject.org.

Many of these scientists are being censored by the press. Since you probably won't be permitted to hear from these scholars on the nightly news, I thought you might enjoy their view on this global warming issue. There are 2,500 individuals who had a part in the IPCC report which promotes global warming. It is this report that the press and politicians use to promote expensive policies to fix global warming. And yet, 31,000 scientists have signed a petition saying that these costs are unnecessary - 31,000!!! Here are some of their quotes of which I have organized by questions. The questions and parenthesis are mine. I realize this is a long read, so read the questions and responses that interest you most, as time allows.

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RURAL
MISSOURI



1. How accurate are the IPCC's models used to predict global warming?

Dr. Keston C. Green - Senior Research Fellow – Business and Economic Forecasting – Monash University, Australia

"I am a scientific forecaster. Global climate models, the models used by the IPCC (to predict global warming) are really tools for the modeler to speculate. They are not scientific forecasts that would be recognized by science. It (the weather) is far too complex for the models to work. We know so little about climate."

"When experts make predictions using their judgment – they are no better than novices. That's a hard one to swallow. If experts could make unaided judgments then mostly they would agree."

Dr. James O'Brien – Professor Emeritus of Meteorology and Oceanography – Florida State University

"One of the problems I have found in looking at the National Center for Climate Data is when they adjust the data, a lot of times now they are adjusting the rural stations (which show a cooling) to the city stations (which show a warming) which makes everything warmer. I've told my people we have to take the real data and hide it, like put it in a vault. I want you to do that at home. Get the real data and hide it, because if you don't, you're likely to see it being changed for you."

Dr. David Douglas – Professor of Physics – University of Rochester

"Can you trust those models (22 global warming models) if they can not explain the past? As a scientist, if a hypothesis disagrees with the observation (temperatures of the past) then that hypothesis is wrong."

Christopher Monckton – Chief Policy Advisor – Science and Public Policy Institute

"In a chaotic object such as the climate, you can not make predictions (accurately) longer than about 2 weeks."

Dr. Craig Loehle – National Council for Air and Stream Improvement

"The IPCC report (which promotes global warming) uses scientific papers where tree rings get all the weight because they out number the others (methods) ten to one, so these papers are essentially tree ring reconstructions."

"I do not believe that tree rings accurately capture a climate signal. The reason being, that trees respond to both temperature and to precipitation."

Dr. Ross McKittrick - Associate Professor of Economics – University of Guelph, Ontario, Canada (author of "Taken by Storm")

"The gridded climate data collected over land is contaminated with a strong warming bias that explains about half of the past warming which has been established across multiple publications using independent analysis."

"Urbanization and related land surface changes have caused much of the observed warming."

"There is a fundamental split in the atmospheric science community, between those who believe in models and those of us who believe in hard data, actual empirical evidence. Models – very nice – but they are not reality and they are not evidence."

Dr. William Gray – Emeritus Professor of Atmospheric Science – University of Alabama - Fifty years of studying the ocean, considered "the face" for the media on hurricane forecasting

"How did we get into this global warming hysteria mess? In my opinion, we've had the ascendancy of the religion of numerical modeling and the loss of meteorological judgment and reality."

"They make forecasts 50 to 100 years from now and tell us what that's going to be but they don't make forecasts for next season or next year. That isn't done. Why? Because they know they don't have enough skill and if they publicly put that forecast out and it got verified, they would lose credibility. The atmosphere is too complex to be modeled beyond 2 weeks."

Bob Carter, Hon. FRSNZ – Research Professor – James Cook University, Queensland, Australia

"There has been no increase in global temperatures for the last 9 years. Over the same period of time, there has been a 4% increase in carbon dioxide. Satellite data since 1979 show very little warming – no warming in the southern hemisphere, very slight warming in the northern hemisphere."

2. What part does human caused carbon dioxide play in climate change?

George Taylor – State Climatologist – Oregon College and Atmospheric Sciences – Oregon State University

"I believe that climate change is a combination of natural and human causes and I believe that natural causes is the dominate reason for climate change."



"You may have heard about Glacier Park. Looking at pictures from 1910 and 1997 without a doubt, the glaciers have receded in Glacier Park since 1910. But let's look behind that a little bit. I used data points to re-plot this as a time series so here's what you get. We discovered a whole lot of melt until 1940 and then a little bit of melt after that. So yes, the glacier has receded a great deal but most of the recession occurred during that dry decade of the 20's and 30's (before the industrial revolution)."

Dr. Howard Hayden – Professor of Physics – University of Connecticut

"Humans are responsible for about 3 to 3 1/2% of all CO2 emissions that go into the air. The biggest source is warm water. When the warming cycles occur, then the oceans warm up. As the oceans warm up you get more CO2 into the air."

David Archibald – Scientist – Australia

"Can global warming from increased carbon dioxide save us from a collapse in mid latitude agriculture production? Not at all. Anthropogenic (CO2 from humans) warming is real. It is also minuscule. Since the beginning of the industrial revolution, increased carbon dioxide has increased the temperature of the atmosphere by 0.1 degree centigrade. That isn't much, in fact, it is next to nothing."

3. Hasn't there been an increase in extreme weather in the last few decades?

Dr. Gerl-Rainer Weber – Consulting Meteorologist – Essen, Germany

"U.S. legislation proposals have been justified by the extremist view on climate change."

"Incidences of strong hurricanes in the Atlantic have increased since the mid 70's but decreased between the 40's and the 70's. There is no long term trend and no global increase since the 1980's. No increase in severe tornados in the U.S. since the 1950's. A slight increase in severe precipitation in the United States but unrelated to the temperature increase."

"The predictions of sea level rise have continually been scaled down since the 1990 IPCC report."

"Most of the extremist claims have little or no scientific basis."

Dr. James O'Brien – Professor Emeritus of Meteorology and Oceanography – Florida State University

(Regarding hurricanes) "What's happening now, you remember in 2006, we had to go into the Greek alphabet for hurricanes. What's happening is we have those satellites that are out there that see something that might be a hurricane, it gets a name, and six hours later it's dead. So we're measuring all kinds of small storms."

"Some of you remember when hurricane Wilma was headed for Cozumel, Mexico and the press told you that in the Atlantic they measured the lowest central pressure ever measured in the Atlantic. What they forgot to tell you was that five years before that, it couldn't be done, because it was new technology."

David Archibald – Scientist – Australia

"Increased Carbon Dioxide (CO2) is not even a little bit bad, it is wholly beneficial. The more carbon dioxide we can put into the atmosphere the better the planet will be for humans and all other living things."

"The satellite record is the highest quality data series in the climate record. We have 30 years of that. It shows that the temperature of the southern hemisphere has been flat with a slight increase in the northern hemisphere."

"The satellite record is collaborated by the record of the Arctic and Antarctic sea ice extent over the same period."

"Most rural temperature records in the United States were set in the 1930's and 1940's. Greenland had its highest temperatures in the 1930's and has been cooler since."

"The peak U.S. temperature was in 1936 at the same time that solar radiance peaked. If you have wondered why U.S. temperatures are still lower than where they were 70 years ago, the fact that total solar radiance is lower than what it was 70 years ago might provide an explanation."

Steve Milloy – Founder and Publisher – Junkscience.com

"There's really only one thing you have to keep in mind and the central issue in global warming is 'Does man-made carbon dioxide drive global climate?' The answer to that is no. Look at two pieces of evidence. You can look at a temperature graph of the last 100 years mapped against CO2 emissions – emissions go straight up – temperatures vary all over. There is no relationship between the two."

4. Are there examples of colder weather that the press doesn't seem to want to discuss?

Dr. James O'Brien – Professor Emeritus of Meteorology and Oceanography – Florida State University

"Before 1835, the place to harvest oranges for a profit was in the coastal counties of South Carolina and Georgia. They also grew them

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commercially in southern Alabama. Then they had three years of freezes and in the 1890's they were in northern Florida. In the 1980's three more freezes and they moved even further south."

Dr. Madhav Khandekar – Research Scientist

"The earth has warmed by 0.6 degrees in the last 150 years. These are observed facts. In one year from January 2007 to January 2008 the earth's temperature has declined by 0.6 degrees wiping out 150 years of warming."

"We all agree western Canada has warmed, especially north western Canada, but look at eastern Canada – it has cooled. There are other atmospheric processes responsible."

Mike Jungbauer – State Senator of Minnesota – Biochemist

"About 2% of the Antarctic is melting. Somewhere between 72% and 94% of the Antarctic is actually building ice. Now this increase of ice is at about 27 to 29 gigatons a year which is not a lot on a land mass that big, but it is still building. It's really funny when you get to the conclusions of the actual science, it states in there (published peer reviewed reports) that if it continues to build at that rate, that it actually has the potential to lower sea levels. But you don't ever hear that do you?"

"After World War II our planes couldn't make it all the way back so they would land in Greenland. What happened when they landed? There was an ice storm and the ice storm continued for a whole week and they wanted to get the boys back home, so they sent them back on a ship. Well, there were all kinds of planes that had landed in Greenland and they literally abandoned them because the ice kept coming."

"Now when these planes were recovered in 1992, one plane was found underneath 268 feet of ice. When we think about the industrial revolution that causes CO2 to rise and we are told that all the ice in Greenland will melt, and yet this plane is covered in 268 feet of ice. The other planes were covered in over 300 feet of ice."

5. What is the connection between solar activity and our temperatures?

Christopher Monckton – Chief Policy Advisor – Science and Public Policy Institute

"Temperature tracks solar activity. There is a correlation between solar activity in the arctic and temperature in the arctic. And there is a lack of correlation between CO2 and temperature, and as you know correlation does not imply causation, but lack of correlation does imply lack of causation."

"We are seeing global warming on various planetary bodies, Mars, also Jupiter, also Neptune's largest moon, also Pluto. I don't think its SUV's up in space causing all these problems."

Dr. Willie Soon – Astrophysicist at the Solar, Stellar and Planetarium Sciences Division at the Harvard Smithsonian Center for Astrophysics – Chief Science Advisor – Science and Public Policy Institute

"CO2 may be a secondary greenhouse gas, but it is certainly not the cause for the weather and climate that we experience and it is most certainly not any air pollutant in any sense of the word."

"We know that CO2 nourishes plant growth, and we can be sure that the 380 parts per million of CO2 concentration in our air today is far below the optimal level for the growth of plants, especially for food production purposes."

"Our decision to combat global warming by cutting CO2 emissions from fossil fuel plants will have virtually no effects on the global climate or on the frequency of bad weather events."

"Clearly solar irradiance can better explain not only the warming for the most recent 30 years, but also the cooling from the 1940's to the 1970's as well as the very large warming in the arctic in the 1930's and 1950's. The sun is a better predictor of arctic air temperature than CO2 concentration."

"Some scientists have had death threats because of their position against the existence of global warming."

"According to global warming alarmists in the worst case scenario, the oceans will rise 23 inches by 2100. Now, if you're on the beach and the water goes up 23 inches, you need to step backwards about 10 steps. If you can't do that in 100 years, you deserve to die."

David Archibald – Scientist – Australia

"At the end of a solar cycle you have lower magnetic field strength which means fewer sun spots. Fewer sunspots mean less solar wind. Less solar wind means more galactic cosmic rays. More galactic cosmic rays mean more low level cloud formation. More low level clouds mean more sunlight is reflected back into space, which in turn means less heating of the earth's surface and atmosphere."

6. Is global warming something we should take seriously?

John Coleman – Founder of The Weather Channel – original weatherman on "Good Morning America"

"It is the greatest scam in history. With those words posted on the website in San Diego, where I am the chief meteorologist, I stepped out

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of the closet and into the spotlight in an effort to de-bunk the wildly out of control frenzy about the supposedly imminent climate catastrophe of global warming."

"NASA, as most know, had to admit that they made errors, and the warmest decade suddenly shifted from the 1990's to the 1930's. What has become clear, any warming that has taken place in the last 20 years is very small, less than one degree."

"Global warming changes are natural and have been taking place since earth was formed. Solar cycles and shifting ocean currents have had a huge impact on the climate of earth, much more than CO2."

"The increase in CO2 was first published by Roger Revelle, an eminent scientist, the Founder of the Scripps Oceanographic Institute, later a professor at Harvard University. One of his students was Al Gore and Al Gore says that it was being in Roger Revelle's class that ignited his interest in fighting the global warming campaign. Isn't it interesting that in his later years, Roger Revelle himself said that we should be very cautious in making any assumptions that CO2 was the engine of climate change?"

Dr. Fred Singer – Founder Dean of School of Environmental and Planetary Scientists – University of Miami – President Science and Environmental Policy – author of "Unstoppable Global Warming – Every 1500 years"

"I want to bring you some good news about the climate and some bad news. The good news – we have evidence that most of the climate change that is taking place today is caused by natural forces and not by human activity."

"The consequences of this evidence are far reaching – particularly for policy. First of all, if climate change is caused by natural forces, this means it is unstoppable. This means carbon dioxide is not a pollutant. This means there is no point in trying to control greenhouse gases. This would be a drastic change in the view of politicians."

"The bad news is that we are a little late in getting there. The train is moving in the opposite direction. All you have to do is listen to our two presidential candidates. The problem is that the science is in danger of becoming irrelevant and that the whole climate issue is being driven by money. I don't begrudge my colleagues the 2 billion per year that the federal government spends on climate research. Much of it is well spent, and lots of scientific papers are coming forth. The government spends 5 billion a year on general climate research including mitigation. Congress is now considering a 17 billion dollar subsidy and tax scheme to benefit the entrepreneurs who are in the wind and solar business. As a result of all of this, many have discovered that one can make money on climate change. Al Gore started this, but many are following him rapidly and that brings the danger that this could be irreversible, and cause great economic damage. That is the bad news. Climate activists have been pushing the buttons, the media has been listening to them and the politicians think that the media represents the public. That is not true. The public by in large doesn't think climate change is a big deal. The public has other priorities, and I hope that will make an impression on politicians."

Dr. Roy Spencer – Principal Research Scientist for University of Alabama – Senior Scientist of Climate Studies for NASA – awarded NASA's exceptional scientific achievement award

"How much global warming are we going to see from extra CO2? Well, how sensitive is the climate system? That's what this comes down to. I have concluded that if there is one organizing principle of temperature control on earth as far as the climate system goes; it's precipitation systems."

"When the IPCC says they're 90% certain of something, it has nothing to do with probability; it has to do with their faith."

"The recent evidence is showing more and more that the climate system is less sensitive than the climate modelers think it is. I think there is "group think" going on in the climate modeling community."

John Charles Jr. – President and CEO – Cascade Policy Institute – worked for Environmental Defense Fund

"Portland, Oregon in 1993 became the first city to adopt a global warming policy. In June of 2005, Portland's office of Sustainable Development released a report announcing that the 2004 emissions of CO2 of the county were lower than the CO2 emissions of the county in 1990. And so they announced this was an achievement unlike any achievement in any other U.S. city. So the New York Times exalted Portland as America's environmental laboratory for having achieved stunning reductions in CO2 emissions while booming economically."

"After examination, the Office of Sustainable Development admitted an error of 74,000 tons, but the story had already been published and it was not corrected."

"Furthermore, Portland calculated transportation CO2 emissions based on the number of gallons sold in that county and not based on the number of vehicles driven. Since you can buy gas outside the county, and since the number of vehicles has increased, it's reasonable to assume CO2 has increased in Portland, not decreased."

"In 2001, Portland determined to purchase 100% of their power from renewable energy by 2010. 2010 is not too far away. Right now (2008) they are up to 2% purchase of green power so they only have 98% to go by 2010. They've spent \$250,000 on consultants to advise them on how to do this."

Michael Fox, PhD – Nuclear Scientist

"Those promoting global warming are the same movement that has been opposed to nuclear power for 30 years and has been opposed to hydropower in the northwest."

"If we get rid of nuclear, if we get rid of hydro, if we get rid of coal for electricity, are we actually reducing the risks to society? The answer to that is no, because in getting rid of the risks we are throwing away huge benefits."

"The regulation of the nuclear industry has been appalling. General Electric can build a 1300 MW nuclear power plant in Japan for about

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one-third the money that G.E. can build in the United States, and the reason for that is, the Japanese don't have to deal with the Nuclear Regulatory Commission."

"To ration or eliminate the large sources of fossil energy in our economy, at a time when these same political forces oppose nuclear and hydro electric, which covers 98% of our electrical capacity, is dangerous."

7. For those that question the science of global warming alarmists, how difficult is it to get a fair hearing in the press?

Patrick Michaels, PhD. – Research Professor of Environmental Sciences – University of Virginia

"If I submit an article to prestigious science journals stating that global warming is just not that much of a threat, the average reviewer that that article goes to, considering there is 6.2 billion per year going into global change research, is going to say, 'This article is a threat,' and so my article is going to get some pretty rough reviews."

"As of March 2008, in Antarctica, the ice in the southern hemisphere has expanded more than has ever been measured by an orbiting satellite since records were kept in 1979. Where is the news coverage?"

Dr. Craig Idso – Founder and Chairman Center for the Study of Carbon Dioxide and Global Change

"Our work has been enhanced by the fact that it derives from over 150 peer reviewed journal articles produced by over 500 individual scientists working in 305 separate institutions from 37 different countries and counting. If there were ever an example of true scientific consensus on an issue, this should be it. Nevertheless climate alarmists continue to ignore and even deny the reality and implications of the important natural warm period (the medieval warm period 800 A.D. – 1300 A.D.)"

"This Medieval Warm Period Project presents a readily assessable collection of totally independent data bases that demonstrate a medieval warm period when peak temperatures were significantly warmer than the present."

"Climate alarmists have claimed that temperatures over the latter part of the 20th century were higher than those experienced at any other time over the past 2000 years. The idea that burning fossil fuels has caused "unprecedented" warmth can not be substantiated. Late 20th century temperatures are not unprecedented but fall well within the range of natural variability. 1000 years ago there was 25% less CO2 than today, yet 1000 years ago is clearly shown to be warmer."

John Stossel – ABC News Co-Anchor 20/20

"The media knows that more will watch if we scare you. The cranberry scare of 1959, DDT, saccharin, nitrites in bacon, red dye No. 2, hair dyes, electric blankets, computer terminals (1989), cell phones, Sars, West Nile Virus, Y2K, killer bees, bird flu – all these will kill you."

"Sri Lanka, an island south of India, had 2.8 million cases of malaria and then they started using DDT in tiny amounts sprayed on the edge of a hut, far less than used in the U.S. They reduced their malaria cases to 17 in 1963 and then the bad science from the hysterical environmentalists got them to stop using DDT and they are back up to 2 million cases of malaria a year."

"So many of these bad ideas are spread by the main stream media. Greenland was called Greenland for a reason. If the scaremongers win again, we will all suffer."

Dr. Jay Lehr – Science Director – The Heartland Institute

"The media has a vested interest because bad news sells. Global warming is a cash cow for environmental groups. Politicians want a problem to solve. The United Nations wants to use global warming for economic reasons. Some scientists are following the money. Future 500 companies are using global warming for financial gain. We must reach out to the man in the street."

Art Horn, Meteorologist

"The biggest climate change has occurred in the media. Do you remember acid rain? It was going to doom us all. It never got to the scale that it had any legs."

"With the competition between so many cable stations and magazines, if it sells, that's what you're going to get. Global warming in the media has become a marketing tool to sell product."

"I went to PBS and asked them to do a show about things in nature that causes climate change, and we talked about the oceans, we talked about the sun, and they looked at the material and said, 'We can't sell this.'"

"We see more and more crisis type programming. When 9-11 happened, ratings shot through the roof and so the (media) industry relearned that crisis sells."

"It's interesting that this winter (07-08) we have seen the record snows in China, snows in Lebanon on the west bank, Saudi Arabians normally trapped in sand have been trapped in snow, and in Argentina the first snow (in some parts) in 89 years."

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Dan Gainer – Vice President - Business and Media Institute - Media Research Center

“We analyzed 205 network news stories about global warming from July 1, 2007 to December 31, 2007. Just 20% even acknowledged there might be some disagreement on the basic issues. Ann Curry of ‘NBC Today’ summed it up nicely on October 29th, ‘Our mission of course is to find evidence of climate change.’ It would be fair to say she and I disagree about the nature of unbiased journalism.”

Marc Morano – Communications Director – U.S. Senate Committee on Environment and Public Works

“ABC was saying that all these science groups are coming out with these statements (that global warming is a danger that needs to be addressed), we looked into it, the American Geophysical Union, the National Academy of Science, the AMS (American Meteorology Society). A nine member panel came up with a statement and the board members voted on it. AMS – two dozen board members. The AGU has 50,000 members, most of them don’t know there is a statement, or what the statement says, but the leadership tows the line on political correctness and then they claim all scientists agree.”

“In some environments, as scientists retire, and don’t fear for their jobs, they are stepping up and testifying against the global warming scare.”

8. What is the connection between the ocean and carbon dioxide?

Dr. William Gray – Principal Research Scientist – University of Alabama - Fifty years of studying the ocean, considered “the face” for the media on hurricane forecasting

“I don’t doubt that CO2 can affect the warming of the globe, but I believe it to be quite small. I don’t doubt that land use can and does affect the warming of the globe. I don’t doubt that the sun plays a part in our temperatures, but in my view, the ocean is a bigger player in the temperature of the earth. What I’m seeing in the oceans, I am quite confident that we will see a cooling over the next 10 years and that the ocean effect will dominate any slight effect that CO2 has on earth temperatures.”

Fred Goldberg – Royal Institute of Technology – Stockholm, Sweden

“There is a large cycle of CO2 circling between the oceans and the atmosphere. In the oceans we have 38,000 gigatons of carbon with the oceans releasing and taking in around 90 gigatons of carbon. Vegetation takes in and releases 101 gigatons of carbon. The human release of carbon is around 8 gigatons. In the atmosphere there is 775 gigatons of carbon. The human influence is very insignificant. The human emissions are absorbed by nature in 16 days. Human emissions are 1% of the CO2 already in the atmosphere.” (Other estimates are at 3 ½% - either way – very small.)

“If we burn all of our coal reserves and all of our oil reserves, there is not enough CO2 to significantly raise the level in the atmosphere because 98% of it is always being absorbed in the oceans. Temperatures are dropping, yet CO2 goes up.”

Richard Courtney, DipPhil. – Independent Consultant – Central Laboratory for Radiological Protection – Warsaw, Poland

“Throughout each year the CO2 in the air increases and reduces as natural processes admit CO2 into the air and sequester CO2 from the air. The rapid changes in CO2 concentration during each year shows that the earth very rapidly adjusts. The annual increase of the anthropogenic emissions humans cause is about 0.1 gigatons of carbon per year. The natural fluctuation of the excess consumption is at least 12 gigatons of carbon in 4 months. This is more than 100 times the yearly increase of human production, which strongly suggests that the dynamics of the natural sequestration processes can easily cope with the human production of CO2.”

9. Does the way we use our land affect local temperatures?

Dr. Robert Balling – Professor of Climatology – Arizona State University

“There is not much warming in the high temperature, most of the warming has been in low temperatures.”

“We have spent over a million dollars trying to understand why the Mexican side of the Arizona border was so much warmer than the Arizona side of the Mexican border. We discovered it all has to do with overgrazing in Mexico. Land use affects surface temperature and this is occurring over vast areas of the world and undoubtedly contributing to warming in some locations.”

10. How will current policies being considered by politicians affect our economy and other nations economies?

Dr. Fred Singer – Founder Dean of School of Environmental and Planetary Scientists – University of Miami – President Science and Environmental Policy – author of “Unstoppable Global Warming – Every 1500 years”

Global Warming False Assumptions

#1 – There is action that we can take now that will greatly alleviate the global warming problem if it is man-made.

Fact – The only way to substantially reduce the risk of catastrophic man-made warming in the near term (if it did exist) would be to bring the daily activities of mankind to a virtual standstill.

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#2 – *The cost of these actions to the world will, at worst, be economic.*

Fact – A poor economy translates to lost jobs, poorer nutrition, poorer health care, and eventually lost lives. We live in a country which has excellent nutrition options, excellent health care, a low unemployment rate (compared to other countries) and this was achieved on the backbone of cheap energy.

“Some of our future higher energy costs are “natural” inflation type increases. Unfortunately, the bigger energy jumps in the future will not be “natural” but instead “man-made” legislation that artificially increases our nation’s energy costs. It is THIS “man-made” CO2 (Congress Orchestrated legislation) that is most harmful to the American people.”

Dr. Vaclav Klaus – President Czech Republic

“I have spent most of my life under the communist regime. It is my belief that future dangers will not come from the same source. The ideology will be different. Its essence will never the less be identical. The attractive and noble ideal that transcends the individual in the name of the common good on the one hand, and the enormous self-confidence on the side of its proponents about their right to sacrifice the man and his freedom in order to make this idea reality on the other. It is the fear of this that drives my involvement in the climate change debate. What is endangered, climate or freedom? My answer is clear and resolute. It is our freedom and our prosperity.”

“To expect technology breakthroughs is a non-serious speculation.”

“There are 3 different types of countries in Europe. On the one hand, the less developed countries in Europe: Greece, Ireland, Portugal, and Spain which during the Kyoto Protocol era, 1990-2005, tried to catch up with the more developed European countries. Their rapid economic growth led to the increase of CO2 emissions in 15 years by 53%.”

“The second group, the European post-communist countries like the Czech Republic, which after the fall of communism, went through a fundamental voluntary transformation shakeout with radical economic restructuring which resulted in heavy industry disappearing. The GDP drastically declined at the beginning of the 1990’s. These post-communists countries with such a radical economic restructuring decreased their CO2 emissions in the same period by 32%.”

“The 3rd group, the slow growing European countries (excluding Germany because East Germany’s economy almost ceased to exist) increased their CO2 emissions by 4%.”

“Yet, there is a dream by European politicians to reduce CO2 emissions by 30% over the next 13 years. Do they assume all countries would go through a similar economic shock as Eastern European countries after the fall of communism? Do they intend to organize a decrease in the number of people living in Europe? “The freedom to have children is one of the undisputable human rights and we will say very loudly that we do respect it.”

Or do they expect a technology breakthrough of unheard of proportions? This is not about climatology. This is about freedom.”

David Archibald – Scientist – Australia

“(The IPCC models) are based on the earth’s climate as unstable, prone to thermal runaway at the slightest disturbance. This would be just an interesting divergence of opinion, if it weren’t for the fact that 10’s of millions of people stand to lose their jobs and millions beyond that will suffer unnecessarily as a consequence of the model feedback assumptions.”

“Before hundreds of billions of dollars are squandered, resources misallocated, and many people driven into penury (poverty), it would be a productive exercise to examine the basis of those model feedback assumptions.”

“If the world wants to be caring and sharing to the 3rd world countries, the best thing that can be done for the 3rd world countries is to increase CO2 levels which is the equivalent to giving them phosphate fertilizer.”

Mike Jungbauer – State Senator of Minnesota – Biochemist

“We are spending so much money “studying” global warming. If we took 1/5 the cost of the Kyoto Protocol, we could put water and sewer in every 3rd world country and virtually eliminate lower level diseases. You have to think about the economic ramifications of what you’re doing.”

Paul Driessen – Senior Fellow Center for the Defense of Free Enterprise

“Demonizing fossil fuels will push America and the world into an enormous energy gap, if fossil fuels are restricted, eliminated or priced out of reach.”

“Japanese researchers have calculated recently that to cut global “human” CO2 emissions in half by 2050, Japan would have to slash emissions by 85% below its 1990 levels. The United States would have to wipe out about 88% of its emissions by 2050, the European Union by 83%. Now think about that and look around you. Just where are you and your company and your community going to wipe out 80 plus percent of your emissions? What affect will that have on your living standards?”

Iain Murray – Greek engineer - Director of Projects – Analysis – Competitive Enterprise Institute


“How many wells would it take to sequester CO2? Now sequester means we capture CO2 which is not easy, we either compress it or liquefy it, also not very easy, and then we pump down wells. You can go to the IEA’s web page. You’re going to see CO2 production today and CO2 by the year 2030. Subtract one from the other and it will tell you how many billion tons of CO2 will need to be injected into wells.”

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How many wells do you think we need to do that? We would need 1.7 million wells. More wells than have been drilled in the entire history of the oil and gas business. This will cost about 7 trillion dollars."

Michael Economides, PhD – author of The Real Inconvenient Truths – Professor, Cullen College of Engineering

"During the 20th century, "global" economic output increased by a phenomenal 1,800%. This unprecedented economic growth produced many beneficial consequences. Average human life expectancy (in the world) doubled. Per-capita food supplies increased even though world population quadrupled. Literacy, leisure, and medical care ceased to be elite privileges and became widely available. Even the air and water in some countries got cleaner. Fossil fuels were the main energy source for this phenomenal improvement."

"It has sometimes been suggested that fossil fuel based energy use is immoral. This is wrong. Fossil fuel based energy use has literally been the engine of the greatest improvement in human welfare ever seen. Yet policies favored by the climate doomsayers will slow, halt or even reverse this progress. Indeed the more aggressive climate policies such as Mr. Gore's proposal to cut CO2 by 90% could not be accomplished without wrecking the economy of the developed world."

"One study from John's Hopkins University found that replacing ¾ of U.S. coal fired electricity with higher priced alternatives like "clean coal" (U.S. coal plants are already incredibly clean) or renewable energy would lead to an extra 150,000 premature deaths a year (because of the increased cost)."

"Another study from Penn State calculated that replacing 2/3 of U.S. coal with higher priced alternatives would cost 3 to 4 million jobs. These are illustrations of what really happens when governments move to cap emissions without thinking of the consequences."

Alexandra Bourne – Vice President Policy and Strategy – The Heartland Institute

"The environmentalists don't want us to drill for natural gas or for oil but they do want us to drill to put carbon down under the ocean floor."

"The two prevailing thoughts or solutions to global warming (for those that think it needs a solution) are either a carbon tax or a carbon cap and trade system. Both of these policy initiatives do one thing, they transfer money. The first (carbon tax) transfers money from the consumer into the hands of government or the second, the carbon cap and trade system transfers money from consumers into the hands of a conglomerate of carbon fueled companies or companies that want to trade carbon credits. And so we are having a transfer of wealth and we are really not doing anything about carbon dioxide emissions."

"We found that the Lieberman-Warner bill would cost anywhere from \$1,000 to \$2,300 for the average household before 2020 and it goes up from there. 20% of the poorest households would pay 64% of the larger burden of this policy than the higher income households."

"In the northeast and the northwest, most of their power comes from hydropower and nuclear power, neither of which emits carbon dioxide. In the south and in the west (and in the mid-west) the bulk of the power is provided by coal, or natural gas. They would be in a position where they are buying credits from the northeast or the northwest."

"The lowest states in terms of electricity costs (cheapest power costs) are Kentucky, Idaho, West Virginia, Wyoming, Missouri, North Dakota, Tennessee, and Utah. Those states are primarily coal states. These states that have the lowest rates would buy credits from the states that have the highest rates (New York, New Jersey, Connecticut, Vermont, Maine, California, New Hampshire, Rhode Island, and Massachusetts). This will raise the cost of living for those in the low cost states."

Myron Ebell – Director of Energy and Global Warming Policy

"Our natural gas consumption has gone up at 1.5% per year for a number of decades. 90% of the new electrical capacity added in this country in the past 20 years was gas. And yet, 20 years ago, 75% of federal lands were open to oil and gas exploration. Today, 16% of federal land is open to oil and gas exploration. If we can't get it here, we're going to compress it, liquefy it, and bring it from other countries (LNG). And yet environmentalists are trying to stop that."

"The only place environmentalists can't stop the building of LNG terminals, despite litigation, are places in the gulf, Louisiana and Texas."

Sterling Burnett – PhD Senior Fellow - National Center for Policy Analysis

"The Lieberman-Warner bill says that we need to cut carbon emissions by 80%. When was the last time we were at carbon emission levels in the U.S. where we were 80% lower than we are right now? And it turns out that it was around 1920. But wait, it doesn't stop there. Because you've got to remember by the year 2050, which is when they want to cut the 80% by, our population will be much higher than it is now. So, when was the last time "per capita" we were at those levels? It turns out it was between 1860 and 1870. So, yes we can cut emissions that much. All we need to do is have the standard of living of Nigeria."

Tom Harris – Executive Director – Inter Climate Science Coalition

"Most politicians believe that the public will support strong CO2 controls to stop global warming. Most mass media also support draconian CO2 controls. Science has little influence on climate policy."

"Funding for a dozen environmental groups pushing global warming hysteria exceeds 115 million, which includes a Center for Civic Journalism to promote their global warming position in the press."

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11. Al Gore says there will be increases in malaria because of global warming. Is that true?

Dr. Paul Reiter – Chief, Insects and Infectious Disease Unit – Paris, France – Works with World Health Association

"I collect mosquitoes in order to isolate viruses. What I realized when I found the Asian mosquitoes in the U.S., was that things had changed a great deal. This (through cargo ships) was the way that things are transported. It was no longer possible to inspect cargos where they arrived and so essentially the mobility of creatures like my mosquitoes was very much increased."

"I discovered a massive world trade in used tires (complete with mosquitoes) going all over the world. Now my Asian mosquito is all over the Western Hemisphere, from Canada to Chile."

"This is the way that pandemics spread. Quite clearly this is spread also by Boeing and the air buses that move people around with viruses."

"1.2 million people travel to India and Pakistan from the United Kingdom every year to areas that have malaria."

"The climate change alarmists tell us that malaria will come to temperate regions and that there will be 500 million cases in Africa. Al Gore makes this point. The distribution of malaria in the U.S. (some say) stops at the 49th parallel. This is not true. There are malaria cases in Canada as well. Sweden and Finland have dealt with malaria. They have had 30,000 cases in Archangel which is close to the Arctic Circle. So I think you should be convinced that we are not dealing with a tropical disease (that is temperature related). As far as 500 million more cases in Africa, the glass is full. Everyone (in Africa) gets malaria at least once a year and the survivors have developed immunity. Those new cases will be infants and visitors to the area."

"There are some increases of malaria in the tropics due to: deforestation, open sunlit pools of water, rice fields with irrigation, and movements of population."

Dr. Howard MacCabee M.D., Ph.D. – Practices radiation Oncology, Clinical instructor in radiation oncology in School of Medicine at Stanford University

"Claims made about malaria (increases due to global warming) are not true. Just to review, malaria was endemic in much of the central and southern United States for a hundred years until around 1860 to 1880. We don't have it now and the climate is not cooler now than it was then. So malaria went away, not because of climate, but because of drying up swamps, turning wetlands into farm land, DDT and a variety of other measures called adaptation, which works so well and so much more efficiently than trying to decrease the carbon dioxide level."

12. Aren't polar bears becoming extinct because of global warming?

Dr. Mitch Taylor – Polar Bear Biologist – Lakehead University – Ontario, Canada – published 50 scientific papers on polar bear related topics

"Polar bears have been likened to the canary in the coal mine as a species whose sensitivity to environmental degradation can serve as a warning to man of the impending dark consequences of climate warming. However, the current demographic data does not support the prospect that polar bears will be threatened with extinction at the present time or in the foreseeable future."

"There are two populations of polar bears that are in trouble. They are the Churchill population, the most southern one in Canada, and southern Buford Sea population, which is the one off the north shore of Alaska. Neither population seems to be viable. By that, I mean it would decline even if there were no harvest. In the south, (Churchill) Dr. Sterling with Canadian Wildlife Service has convincing data that it (population decline) has been caused by gradual reduction in ice in that area. For the Buford Sea population, life history parameters, rates of birth and death, are no longer sufficient for that population to survive. Most of the literature, most of the proof, most of what's written about the (global warming) polar bear situations comes from these two populations. But these are not the only two populations. There are two other populations that are declining. They are Cane Basin and Baffin Bay. Both are declining because they are over hunted. It has nothing to do with climate change. All other populations are stable or are harvesting (growing) at historical levels."

Mike Jungbauer – State Senator of Minnesota – Biochemist

"There are 13 different herds of polar bears. (Most are growing at record numbers). Canada allows the hunting of polar bears. Do you think if it (the extinction of polar bears) were a problem, Canada would let people hunt the polar bear?. I don't think so. Same thing goes on in Greenland. They have hunts in Greenland for polar bears."

Todd Myers – Environmental Director – Washington Policy Center

"In 1970, scientists (who studied polar bears) said there were about 10,000 polar bears. They were very worried, and they put out a statement that said they were headed toward extinction. Today there are about 24,000 and what do scientists say? They are headed toward extinction. They worry about the animal they are studying. I understand that, but as a policy maker, you must understand that scientists are less risk tolerant for the animal they are studying. Often they will emphasize the impact to the animal and forget about the impact to humans."





13. If it did get warmer on this earth (which is very questionable) would that be a bad thing?

Dr. John Dale Dunn, M.D. – Medical Officer – written on environmental and public health issues for 10 years – Fort Hood, Texas

"I assert that warmth is good for human health, and will not cause death increases and certainly no changes that are more important than the basic public health measures of vector control of water, nutrition, sewage, and water quality and housing quality. If people can live at a higher standard of living, then diseases will diminish. Most people move south when they grow old. January in the Northern Hemisphere is the most deadly month. Vascular diseases increase in cold weather."

"I work for the army. You send soldiers to a place like Iraq with mid day temperatures of 130 degrees, full body armor, helmet and not exactly strolling around. We don't see the kind of heat illness that would ever make us worry about this population of soldiers that are in an extreme level of stress in a very hot climate. Why is it that the World Health Organization can make such an assertion (global warming deaths)? Well, because we had a heat wave in Chicago that killed a bunch of people that lived in what I would consider to be less than ideal housing. Our bodies are 98.6. If the heat index is in excess of 100, then we are at risk for heat illness. All the things that produce heat illness have to do with our water intake, our general condition, and our current medications. From my point of view, the crisis that supposedly we're dealing with, with regards to a one, two, or three degree increase in the "day's low" temperature is pretty ridiculous when you consider that warm is good for your health, cold is not as good for your health, and it is only special circumstances that creates heat illness."

Dr. Howard MacCabee M.D., Ph.D. – Practices radiation Oncology, Clinical instructor in radiation oncology in School of Medicine at Stanford University, - President, Doctors for Disaster Preparedness

"Thomas Moore wrote 2 published reports 10 years ago; and what he found was startling. He found that the number of deaths due to cardiac, vascular, cerebral vascular and respiratory diseases in the winter months was 7 times the number of deaths from the same diseases in the summer months. So what I'm saying here, the numbers are quite amazing."

"Furthermore, deaths from heat are often considered displacement death. People that are very weak, elderly, severe disease, other respiratory difficulties, or cardiac difficulties often die a month earlier than they would ordinarily because of a heat wave, whereas the deaths from cold represent diseases such as heart attacks, etc. that might not occur if it wasn't for the cold. The lifespan that is lost due to a cold death is much greater than a lifespan due to a heat death."

"What about the developing countries? Plant production of all kinds of plants including food plants increase significantly with carbon dioxide. Estimates are that this will increase food production by 15%. Plants will require less water which will help the developing world."

14. Obviously, wind and solar have an important part to play in our nation's energy, but is it reasonable to assume we can use these resources on a large scale (20% of our nation's power or more)?

Robert Bradley, Jr. PhD – President of Institute for Energy Research (former employee of Enron)

"Enron had lots of plans to build big solar farms, lots of press releases, but none of these farms ever got built. Enron Wind Company never turned a profit. Enron lobbied hard and got the mandate in the Texas Electricity bill that mandated renewable energy."

"Front page of the New York Times business section back in 1994, 'Solar Power for Earthy Prices' – solar is finally competitive with fossil fuels. That's the message of this article. This fantastic price of 5.5¢ per kwh from Enron had a lot of accounting tricks behind it. This project never got built."

"Ken Lay set a vision for Enron to become the world's leading renewable energy company, a lot of hype, a lot of press releases."

"Enron had 7 profit centers around climate alarmism including renewable wind generation, renewable solar generation, and CO2 trading. We had many lobbyists working on these issues."

"The problem that we have today, looking at Enron's experience and what we're facing today with climate change is arrogance. How do we get people to have humility, to welcome open debate? It brought down Enron and I hope bad decisions don't bring down the prosperity we are enjoying today."

Iain Murray – Greek engineer - Director of Projects – Analysis – Competitive Enterprise Institute

"What % of the world energy demand comes from hydro carbons? The answer is 87% oil, gas, and coal. Now I have a trick question. What % of the world energy demand came from hydro carbons in 1973? The answer is 87%. By the year 2030, according to Exxon, BP, IEA, EIA, DOE, the world energy demand will increase by 50%, the world energy demand will still depend on hydro carbons by – 87% oil, gas, and coal. What the press wants to talk about is solar and wind which will never account for more than half of 1% of world energy demand over the next century."

Paul Driessen – Senior Fellow Center for the Defense of Free Enterprise

"One 550 MW gas fired power plant in California on 20 acres produces more electricity during the course of a year than all 13,000 of that states first generation wind turbines on 105,000 acres."

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Robert Gordon – President Responsible Resources

“How can we reduce CO2 to the levels politicians propose? One proposal is to create 50 times today’s wind energy, an area of about 74 million acres just under the size of Arizona. In addition we would need to increase solar energy to 700 times the amount generated today requiring about 5 million acres, about the size of Israel. We would need to double the installed nuclear capacity. We would need to double the efficiency of coal plants and we would need to reforest 250 million tropical acres (to take in the CO2), that’s more than France, Germany, Italy and Spain combined. Such unrealistic strategies are consistent with the thinking that people in an increasingly prosperous and technologically advanced society predominantly pose an environmental threat.”

“Americans are being told dishonestly that the potential for many renewable resources is much greater than it truly is.”

“States that have wounded themselves in terms of economic competitiveness (because they adopted Renewable Portfolio Standards –RPS’s) will end up seeking a level playing field, that is they will become advocates of a national standard (Renewable Portfolio Standard requiring so much wind and solar) to make every state equally worse off so that they can compete, drag down, not lift up. This push (for RPS’s) like the cap and trade and the carbon taxes is carried out under the guise of heading off threatening levels of CO2 and under the guise of solving energy supply challenges. It will achieve neither! It will reduce economic growth by restricting energy supply.”

David Ozment – Wal-Mart

“You can spend several million dollars on a solar system and produce 800,000 kwh a year,” he said, or you can spend not a lot of money on this amount of skylight and save 800,000 kwh a year.”

Mark Twain

“The reason we hold truth in such respect is because we have so little opportunity to get familiar with it.”

Michael Fox, PhD – Nuclear Scientist

“In buildings, in our towns, contain thousands and thousands of computer servers. This is what helps make the internet run. They now consume somewhere between 9 and 10% of the electrical demand in the U.S. These servers require spectacularly high quality power. The alternative energy options with intermittent power, does not offer high quality power.”

15. It has been said that if China and India don’t participate with us in a fix for global warming, we are just fooling ourselves. I wonder what their view is on restricting the use of carbon energies?

Barun Mitra – New Delhi, India – Founder and Director of Liberty Institute

“There is a cost for lack of energy. There has been a lot of speculation. What if China and India would have as many cars as every family has in this (U.S.) country? In the U.S. there are 700 vehicles for 1,000 people, in India, there are 7. What are the policy prescriptions that have been presented over the years? We need to tax our fuel and our vehicles. We need to promote public transportation and mass transport. We, in India, have followed quite a few of these prescriptions for quite some time. We have one of the highest taxes on fuel. We have one of the highest taxes on vehicles, and we in India for the past 50 years have done our best to try to reduce mobility of our own people. Should the IPCC congratulate us and award India for halting mobility, or should we condemn ourselves?”

“Animal power is a significant source of transportation in our country, in China, and much of Africa.”

“Reduced mobility has some unusual costs. 25% of fruits and vegetables produced in India is wasted before it can reach the market, because with animal carts, you can have a reach of 10-15 kilometers at best.. If you are poor, 50% or more of family income goes for food. We are so concerned with price of oil, but in many parts of the world, it is not oil we are concerned about, it is traditional energy. Traditional energy being agricultural waste, firewood, cow dung, anything that can be burned (all which produce CO2). Cow dung is an extremely commercial form of energy particularly for domestic kitchens in rural households. 600,000 die each year from pollution from burning “traditional energy” in India. 88% of those in India use this fuel for daily cooking.”

“We really need to ask ourselves, unless we can tell our own people that we are trying to help them take care of their “present” (time) we cannot ethically, morally, economically ask them to take care of the future 50, 100 years down the road.”

“In New Delhi we are 10-15% short of daily demand for electricity. Across the country it’s worse. There are many villages which get electricity one day, then no electricity for 2 days and then they get it for a day. This comes with an enormous price. I already mentioned agricultural waste. But there are other costs. 50,000 die of snake bites each year. The anti-venom can’t be stored without refrigeration. Most health clinics in rural areas have no electricity for refrigerators. Likewise, 20,000 die from dog bites. Rabies vaccine cannot be stored.”

“We need to consume more energy, not cut energy consumption. There is a cost, a big cost, for lack of energy.”

Michael Economides, PhD – author of The Real Inconvenient Truths – Professor, Cullen College of Engineering

“Access to energy is crucial to development. Gore’s preferred policies by making energy more expensive and less available will steepen the climb by those in the developing world, where billions have never turned on an electric light. Access to affordable energy is seen as a godsend in the developing world, yet Gore would prefer to leave Indians and Africans in the dark unless they use more expensive alternative energy. I wonder what that other Nobel Lauriat, Mother Teresa would have thought of that?”

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