

A Confluence of Carbonbaggers



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A Review of the Reliability of the Intergovernmental Panel on Climate Change Predictions and Undue Influences on Climate Science



Friends of Science Society
May 10, 2016

Executive Summary

Governments and industries have spent the past 20 years responding to directives and reports from the Intergovernmental Panel on Climate Change (IPCC).

Given that in most industries, margins of error are required to be small, this paper reviews the substantial failings of the IPCC in everything from the original premise that human activity producing greenhouse gases was the primary cause of recent warming, to vast statistical errors in climate models that are 500 and 600% off trend.



Sun with Earth to Scale

(Distance not to scale)

Few average citizens have any knowledge of these goings on – despite the fact that billions of their tax dollars are vanishing every year on causes proclaimed by this august organization and echoed around the world by enthusiastic Environmental Non-Governmental Organizations (ENGOS) who find climate catastrophe predictions the easiest way to raise money to ‘save the planet’ – all the while demonizing traditional industries that have provided jobs, energy and resources that have created our modern, industrialized world.

This report is a compilation of errors, false and wildly exaggerated predictions, and the IPCC’s claim that it in fact *‘makes no recommendation of any kind on any topic’* – effectively washing its hands of responsibility for the damage its reports and meetings have done in the Western world. National economies have been ruined, investment markets distorted, industries devastated, thousands have died prematurely due to sharp rise in power prices across the UK and Europe as the poor and middle class have been pushed into ‘heat-or-eat’ poverty – and yet governments still persist in designing faulty climate and economic policies based on flawed documents from the IPCC – cited as ‘the authority on climate change.’

In most areas of business, industry, real estate,¹ medicine, engineering/aerospace the margin of acceptable error is required to be small in order protect the public and economy from financial difficulties or ruin, or even tragedy. In law, the premise of ‘reasonable doubt’ is sufficient to free the accused; a distortion of evidence calls for a mistrial. Not so in climate change.

*“It might be acceptable to have a margin of error of a few grams when weighing vegetables, but definitely not when weighing gold.”*² The IPCC is weighing your gold with unacceptable margins of error.

¹ <http://www.rkllp.com/2012/01/12/january-2012-banking-update/>

² Fundamental Concepts in Electrical and Computer Engineering with Practical Design Problems
Second Edition Reza Adhami et al (2007)

Contents

Executive Summary	1
Contents	2
1. A Tragedy of Failed Predictions – an Overview	4
2. The Origin of the Contemporary Obsession with the Climate Crisis	6
3. Global Interests – “Law of the Air”	7
4. Global Warming – Science, Politics or Cash?	9
5. Scope and Credibility of the Intergovernmental Panel on Climate Change (IPCC)	10
5.1 IPCC Models fail due to no relation to reality	11
5.2 Failed IPCC Models Lead to Vast Financial Waste and Global Disaster for Millions	13
6. The Role of “An Inconvenient Truth”	14
7. Infiltration of the “Carbonbaggers” into the Science	15
8. The Lack of Evidence for Decarbonization or Claims of Cost-reductions	16
9. The UN’s IPCC Has No Credibility On Global Warming	24
10. Scientists say One Thing, Evidence Says Another	30
11. What causes Climate Change?	31
12. Questionable Influences on and Processes of the IPCC	33
In Summary.....	35
Appendix.....	36

These are the opinions of the authors based on the
information available to them.

“The IPCC became less pessimistic about climate change, although its press release would not tell you so. The report also illustrates just how outmoded the IPCC has become since it was founded in 1988. Its reports are written over a period of three years, and finished months before publication.

When preparations started on AR5, the world hadn’t warmed for 13 years. That is a bit odd, if you believe the models, but not odd enough to merit a lot of attention.

By the time the report was finished, however, it hadn’t warmed for 17 years. That is decidedly odd, but hard to accommodate in a near-final draft that has been through three rounds of review.

After the report was finalized, but before it was published, a number of papers appeared with hypotheses about the pause in warming. **AR5 was out of date before it was released.**” – *Richard Tol, IPCC Lead Author and Economist*

Box 9.2 | Climate Models and the Hiatus in Global Mean Surface Warming of the Past 15 Years

The observed global mean surface temperature (GMST) has shown a much smaller increasing linear trend over the past 15 years than over the past 30 to 60 years (Section 2.4.3, Figure 2.20, Table 2.7; Figure 9.8; Box 9.2 Figure 1a, c). Depending on the observational data set, the GMST trend over 1998–2012 is estimated to be around one-third to one-half of the trend over 1951–2012 (Section 2.4.3, Table 2.7; Box 9.2 Figure 1a, c). For example, in HadCRUT4 the trend is 0.04°C per decade over 1998–2012, compared to 0.11°C per decade over 1951–2012. The reduction in observed GMST trend is most marked in Northern Hemisphere winter (Section 2.4.3; Cohen et al., 2012). Even with this “hiatus” in GMST trend, the decade of the 2000s has been the warmest in the instrumental record of GMST (Section 2.4.3, Figure 2.19). Nevertheless, the occurrence of the hiatus in GMST trend during the past 15 years raises the two related questions of what has caused it and whether climate models are able to reproduce it.

1. A Tragedy of Failed Predictions – an Overview

Prediction: In 2005, the United Nations Environmental Program predicted that global warming would lead to the massive depopulation of Caribbean and South Pacific islands; it would give rise to 50 million “climate refugees” by 2010.³

Fact: By 2010, the population levels for all the areas the UN said would be affected had increased. There were no “climate refugees” at all, and they still have not shown up in 2016.



Canadian Climate Refugee



Canadian Climate Refugees: Some 500,000 Canadian ‘snowbirds’ escape brutal winters for warmer climates in the US, Mexico and island vacations⁴

Prediction: Al Gore and James Hansen, the former head of NASA Goddard Institute for Space Studies, have been predicting for years that sea levels will rise dramatically; sometimes they say by two to three metres (or more), flooding all coastal areas.

³ Note, the EU Refugee crisis is driven by US biofuel climate policy + food speculation, not climate change
<http://www.prweb.com/releases/2015/01/prweb12476795.htm>

⁴ <https://www.td.com/document/PDF/economics/special/Snowbirds.pdf>

Fact: The sea level has been rising for the last 18,000 years. According satellite observations from the University of Colorado, the current rate is about 12 inches per century, while analysis of tide gauges show about 10 inches per century, including the effect of sea floor spreading.

Prediction: *In 2000, the Climate Research Unit at the University of East Anglia, the main source of global warming alarmism in the U.K., predicted that “within a few years”, snowfall would become rare in the U.K. and northern Europe. The media spread this like wildfire.*

Fact: The U.K. experienced record levels of snowfall in 2009, 2010 and 2013.

Prediction: *In its final 2007 report, the Intergovernmental Panel on Climate Change (IPCC) predicted that Himalayan glaciers would melt by 2035 or sooner. This claim was repeated many times and included in a subsequent televised documentary.*

Fact: It turns out that the assertion was lifted from a World Wildlife Fund propaganda brochure, without verification. After initially defending it, the IPCC relented and withdrew the prediction.

Prediction: *In 2007, 2008 and 2009, Al Gore alleged that “the entire North Pole cap will disappear in five years.”*

Fact: Arctic ice declined to its lowest level in 2012. As of the summer of 2013, Arctic ice had actually expanded 50% from the low level that it reached in 2012. By late 2014, Arctic sea ice extent was at its highest level in a decade.

Prediction: *Climate modellers predicted that Antarctic ice would steadily decline in extent as global average temperatures rose.*

Fact: From 1998 to 2015, average global temperatures remained essentially flat. The 21st century trend (2001-2015) of sea ice at Antarctica was increasing 560,000 km²/decade.

Prediction: *Climate modellers predicted that the earth would experience ever more severe droughts.*

Fact: In 2012, the global warming alarmist journal Nature reported that there has been “little change in global droughts over the past 60 years”. The United Nations was forced to admit that in many regions of the world, “droughts have become less frequent, less intense, or shorter”.

Prediction: *In 2006, Al Gore claimed Hurricane Katrina was evidence of global warming. Ever since, almost every incidence of extreme weather, and especially of hurricanes and tornadoes, has been linked by the media to global warming.*

Fact: In 2013, the IPCC admitted that it had “low confidence” in claims of large scale changes in tropical cyclones since 1900”. The IPCC’s Fifth Assessment Report Summary for Policy Makers contains no mention at all of tornadoes, hurricanes or thunderstorms in the extreme weather events section.

Prediction: *Professors at the University of Queensland in Australia predicted in 1999 that global warming would heat the oceans and cause mass bleaching of the Great Barrier Reef by 2010.*

Fact: The reef's last major bleaching occurred in 2006. The same professors who predicted major adverse impacts acknowledged that the bleaching had had a minimal effect.

Prediction: *Biologists predicted in 2004 that polar bears in the Canadian Arctic would decline steadily in numbers due to declining ice.*

Fact: An aerial survey in 2011 showed that the numbers of polar bears was about the same as in 2004, a fact borne out by Inuit who live in the region.

Prediction: *In 2001, the IPCC predicted that global warming would affect wheat and, more severely, rice production in Asia and lead to starvation.*

Fact: Since 1960, global wheat and rice production has tripled and corn production is almost five times higher. Record harvests were recorded over the past decade, including in Asia.

2. The Origin of the Contemporary Obsession with the Climate Crisis

Climate and weather have always affected the fortunes of people and nations.

Weather – the daily, weekly and annual conditions offer unpredictable events, whether “Snowtember” in Calgary of 2014, SuperStorm Sandy that hit New York and the east coast of the USA in 2012 or the grim winters on the Russian steppes of ages past that defeated both Napoleon, and decades later, the Nazis.

By contrast, **climate** refers to consistent patterns of weather in a region of the world, that may change over 30, 50, 100 years or centuries.

Historic references are revealing.

In Roman times, Hannibal cross the Alps on elephants. There are few references to snow in the records of the day. Recent glaciology work has discovered 4,000-year-old wood under melting Swiss glaciers, meaning the area was once forested.⁵ Early human instruments have been found under melting ice in the Arctic.⁶ Dr. Ian Clark of the University of Ottawa, earth scientist specializing in hydrogeology and paleoclimate, in a recent interview, pointed out that during the *Holocene Hypsithermal* of some 8,000 years ago, a period of warming when there was no ice at



⁵ <http://www.newsmax.com/LarryBell/warming-global-climate/2014/06/17/id/577481/>

⁶ <http://www.macleans.ca/news/canada/melting-yukon-ices-reveals-5000-year-old-archaeological-treasures/>

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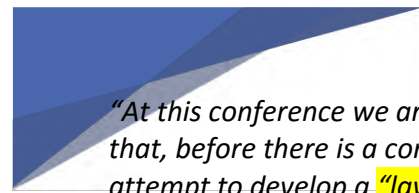
all in the arctic, polar bears were highly adaptable and ‘survived just fine’ in a warm, green arctic.⁷

The Medieval Optimum (1100-1300 CE) was a period of warm, stable weather resulting in abundant crops. These factors allowed for the expansion of human culture and the building of massive cathedrals and castles. Those times ended in the early 1300’s as much of the UK and Europe experienced three years or more of near continuous rain.⁸ Crops lay fallow in soggy fields, hay could not be cut or cured without sunlight – massive famines of humans and cattle ensued. That was just the beginning of some 500 years of misery as the Little Ice Age set in. As of about 1850, the climatic patterns shifted again and we moved into the Current Warm Period, which is deemed to be cooler than the previous Medieval or Roman Optimums.

So why is this “current warming” a crisis, when previous warming periods were so good for humankind?

3. Global Interests – “Law of the Air”

Controlling the weather – or conversely, the population, has long interested governing bodies. In earlier times – and in many cultures and religions to this day – people brought harvest offerings to appease or praise the gods or God as they perceived the world. In the terrifying period of the Little Ice Age, thousands of people were burned at the stake for the crime of “Weather Cooking.”⁹ In the late 1880’s, Svante Arrhenius, a Swedish scientist, made extensive calculations about the increase of ‘carbonic acid’ (carbon dioxide) to the air, concerned that it might trigger another cooling period. Arrhenius became a poster child for current global warming and his work is often cited by climate catastrophe activist Naomi Oreskes.



“At this conference we are proposing that, before there is a corresponding attempt to develop a “law of the air,” the scientific community advise the United Nations (and individual, powerful nation states or aggregations of weaker states) and attempt to arrive at some overview of what is presently known about hazards to the atmosphere from manmade interventions, and how scientific knowledge coupled with intelligent social action can protect the peoples of the world from dangerous and preventable interference with the atmosphere upon which all life depends....” – Margaret Mead

While there certainly were and are scientific concerns about how humans affect climate through land use, deforestation, pollution and greenhouse gas emissions, it appears that the modern climate crisis has its roots in a 1975 conference wherein Margaret Mead, then President of the American Association for the Advancement of Sciences, proclaimed the need for a “law of the atmosphere.”^{10 11} Mead was an anthropologist, not a

⁷ https://youtu.be/4uDoKc9_2CQ

⁸ https://www.amazon.ca/The-Third-Horseman-Weather-History/dp/0143127144?ie=UTF8&*Version*=1&*entries*=0

⁹ <https://youtu.be/wcAy4sOcS5M>

¹⁰ <http://www.21stcenturysciencetech.com/Articles%202007/GWHoaxBorn.pdf>

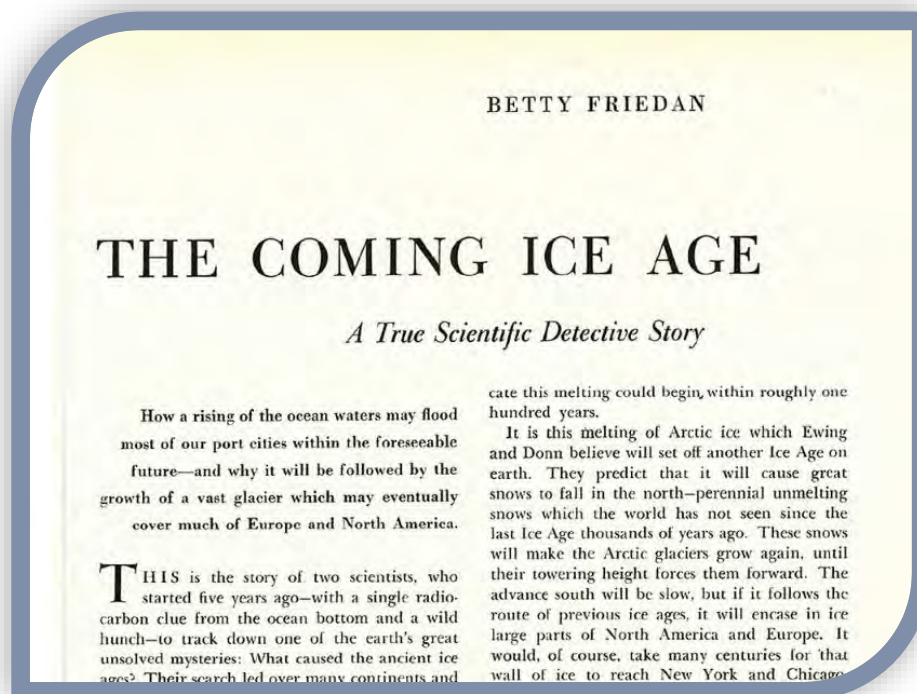
¹¹ <http://babel.hathitrust.org/cgi/pt?id=uc1.31822011395514;view=1up;seq=5>

(footnote continued)

climate scientist. Her famous work on the loose sexual mores of the Samoans was revealed to be a complete fraud in 1983.¹²

During the 1970's, governments and industry made significant efforts to reduce toxic emissions of sulfur and nitrogen oxides (SO_x and NO_x), to reduce fine particulate matter (less than 2.5 microns – PM_{2.5}), to reduce carbon monoxide, and to capture useful products. These measures were very successful in the West. Air and water quality improved significantly.

Ironically, in the late 50's, through the 60's and 70's, the world was mostly concerned with the possibility of 'global cooling' and a new Little Ice Age.¹³



In 1988, Stephen Lewis hosted the first Climate Conference in Canada (see “Climate Alert”¹⁴ within this blog post). The public drive to ‘stop global warming’ really coalesced around the 1992 Rio “Earth Summit.”¹⁵

¹² <http://www.discovery.org/a/1169>

¹³ <http://harpers.org/archive/1958/09/the-coming-ice-age/>

¹⁴ <https://friendsofsciencecalgary.wordpress.com/2016/05/03/national-observer-and-desmogblog-attempt-to-rewrite-history-in-attack-on-exxon/>

¹⁵ http://unfccc.int/essential_background/items/6031.php

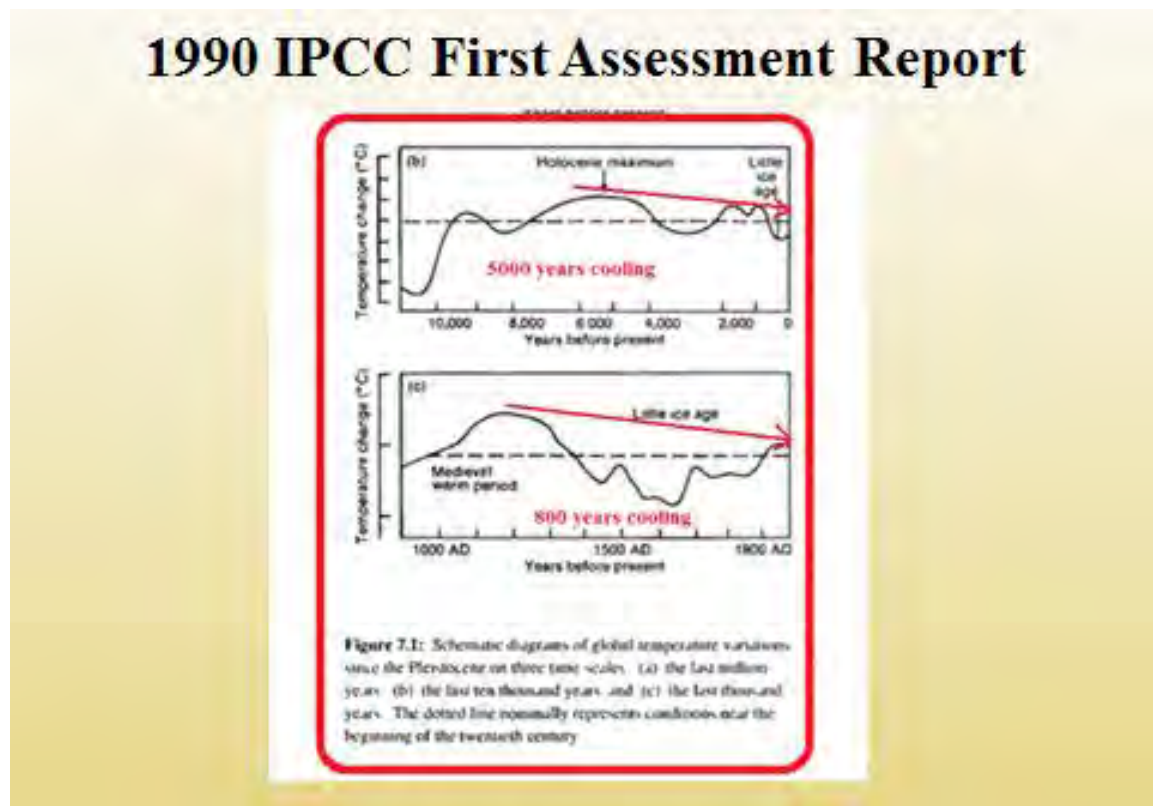
4. Global Warming – Science, Politics or Cash?

The UN formed the United Nations Framework Convention on Climate Change to address global climate change with this mission.

The ultimate objective of this Convention and any related legal instruments that the Conference of the Parties may adopt in accordance with the relevant provisions of the Convention is **“...stabilization of greenhouse gas concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the climate system...”**

The assumption inherent in this statement is that human industrial activity is causing a dangerous impact on the atmosphere and that the greenhouse gases from that activity must be ‘stabilized.’

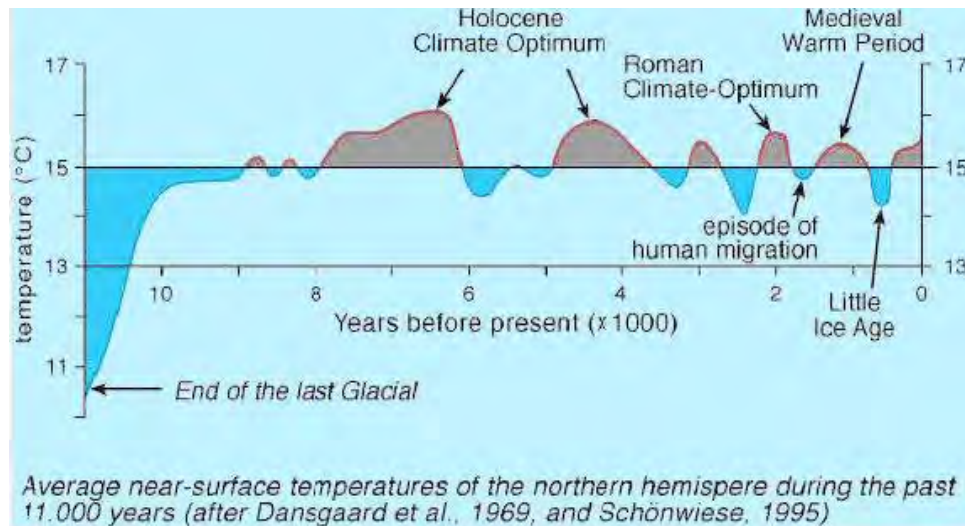
However, the Intergovernmental Panel on Climate Change report of 1990 did not reflect any dangerous interference.



The above graph, from that report, shows that temperatures had been much warmer in the Medieval Warm Period, and that there had been cooling over some 8,000 years.

It seems that from this early point of scientific discussion, a number of complementary interests hi-jacked the climate science agenda for their own needs, resulting in today’s distorted public discussion on ‘climate change’ which is largely far removed from what the real scientists say.

Today, carbon traders, renewables investors, banks and insurance companies have taken off the narrative – far removed from science – as the following will show.



Current warming

5. Scope and Credibility of the Intergovernmental Panel on Climate Change (IPCC)

The IPCC was established with a mandate to study the human-causes of climate change, not all causes.

ipcc
INTERGOVERNMENTAL PANEL ON climate change

Languages IPCC web pages Search

REPORTS - ASSESSMENT REPORTS

Working Group II: Impacts, Adaptation and Vulnerability

Technical Summary

Table of contents | Previous page | Next page

Other reports in this collection

1. Scope and Approach of the Assessment 1.1. Mandate of the Assessment

The Intergovernmental Panel on Climate Change (IPCC) was established by World Meteorological Organization and United Nations Environmental Programme (UNEP) in 1988 to assess scientific, technical, and socioeconomic information that is relevant in understanding human-induced climate change, its potential impacts, and options for mitigation and adaptation. The IPCC currently is organized into three Working Groups: Working Group I (WGI) addresses observed and projected changes in climate; Working Group II (WGII) addresses vulnerability, impacts, and adaptation related to climate change; and Working Group III (WGIII) addresses options for mitigation of climate change.

This volume—*Climate Change 2001: Impacts, Adaptation, and Vulnerability*—is the WGII contribution to the IPCC's Third Assessment Report (TAR) on scientific, technical, environmental, economic, and social issues associated with the climate system and climate change. ¹ WGII's mandate for the TAR is to assess the vulnerability of ecological systems, socioeconomic sectors, and human health to climate change as well as potential impacts of climate change, positive and negative, on these systems. This assessment also examines the feasibility of adaptation to enhance the positive effects of climate change and ameliorate negative effects. This new assessment builds on previous IPCC assessments, reexamining key findings of earlier assessments and emphasizing new information and implications from more recent studies.

In July 2013 the Dutch Meteorological Society issued a statement:

“The IPCC needs to adjust its principles. We believe that limiting the scope of the IPCC to human induced climate change is undesirable, especially because natural climate change is a crucial part of the total understanding of the climate system, including human-induced climate change. The Netherlands is also of the opinion that the word ‘comprehensive’ may have to be deleted, because producing comprehensive assessments becomes virtually impossible with the ever expanding body of knowledge and IPCC may be more relevant by producing more special reports on topics that are new and controversial.”¹⁶

This may have been in response to the unexpected news of the September 2013 IPCC Working Group I (Physical Sciences) report wherein world governments were informed that, contrary to popular belief and despite a significant rise in carbon dioxide concentrations, global warming had stagnated since before Kyoto had been ratified, with no significant warming trend.

Box 9.2 | Climate Models and the Hiatus in Global Mean Surface Warming of the Past 15 Years

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Excerpt from Box 9.2 of the IPCC WG I report of 2013

Independent scientists like the late Bob Carter¹⁷ of Australia (as early as 2006), John Christy and Roy Spencer (in charge of UAH Huntsville, Alabama satellite data), and Hans von Storch of Germany¹⁸ had tried to inform the public of the disparity between IPCC predictions and observed temperatures, to no avail.

5.1 IPCC Models fail due to no relation to reality

As early as 2007, Kevin Trenberth, a recognized IPCC expert, reported that IPCC models bore no relationship to reality and that the IPCC itself did not make any predictions.¹⁹

“In fact there are no predictions by IPCC at all. And there never have been. ...Even if there were, the projections are based on model results that provide differences of the

¹⁶ http://www.knmi.nl/research/ipcc/FUTURE/Submission_by_The_Netherlands_on_the_future_of_the_IPCC_laatste.pdf

¹⁷ <http://www.telegraph.co.uk/comment/personal-view/3624242/There-IS-a-problem-with-global-warming...it-stopped-in-1998.html>

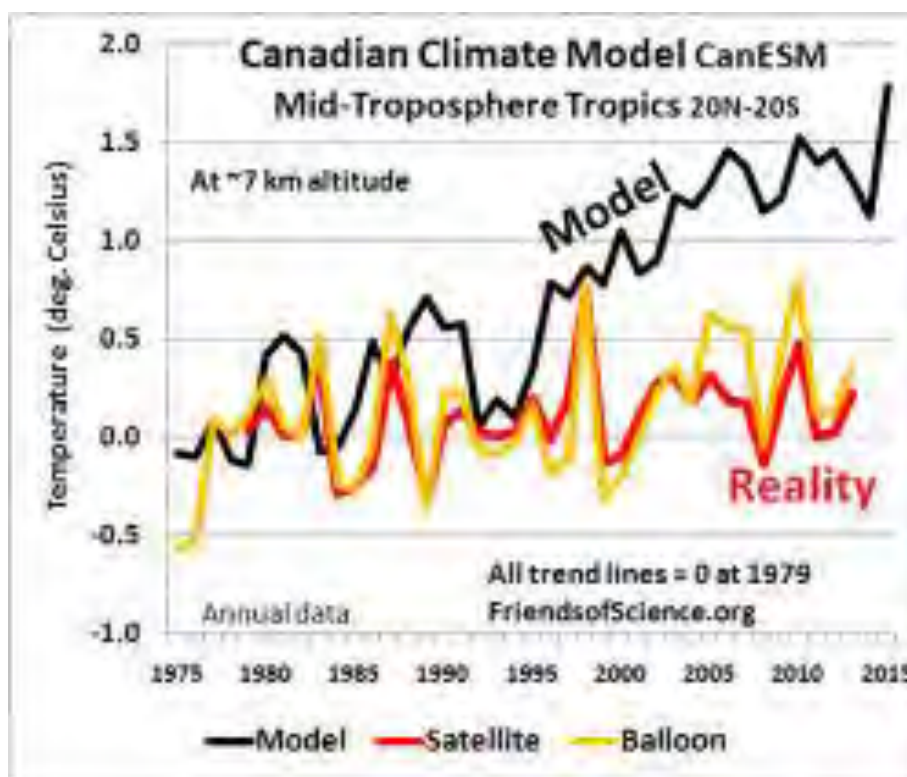
¹⁸ <http://www.spiegel.de/international/world/interview-hans-von-storch-on-problems-with-climate-change-models-a-906721.html>

¹⁹ http://blogs.nature.com/climatefeedback/2007/06/predictions_of_climate.html

future climate relative to that today. **None of the models used by IPCC are initialized to the observed state and none of the climate states in the models correspond even remotely to the current observed climate.** In particular, the state of the oceans, sea ice, and soil moisture has no relationship to the observed state at any recent time in any of the IPCC models.” [bold emphasis added]

4.2 IPCC Models fail by wildly exaggerated trends

Friends of Science Society’s Ken Gregory, a science advisor for Friends of Science, has reviewed IPCC modeled temperature projections and found them to be off the observed mark by some 600% in some cases.²⁰



Confirming Kevin Trenberth’s earlier statements about the IPCC models, Gregory writes:

*“The Canadian climate model is also used by the IPCC to justify predictions of extreme anthropogenic warming despite the fact that **the model bears no resemblance to reality.** As does the climate model, the IPCC ignores most natural causes of climate change and misattributes natural climate change to greenhouse gas emissions. Here is a list of 123²¹*

²⁰ <http://www.friendsofscience.org/assets/documents/CanadianClimateModel.pdf>

²¹ <http://notrickszone.com/2013/10/11/gross-scientific-negligence-ipcc-ignored-huge-body-of-peer-reviewed-literature-showing-suns-clear-impact/#sthash.0ueF5JVX.dpbs>

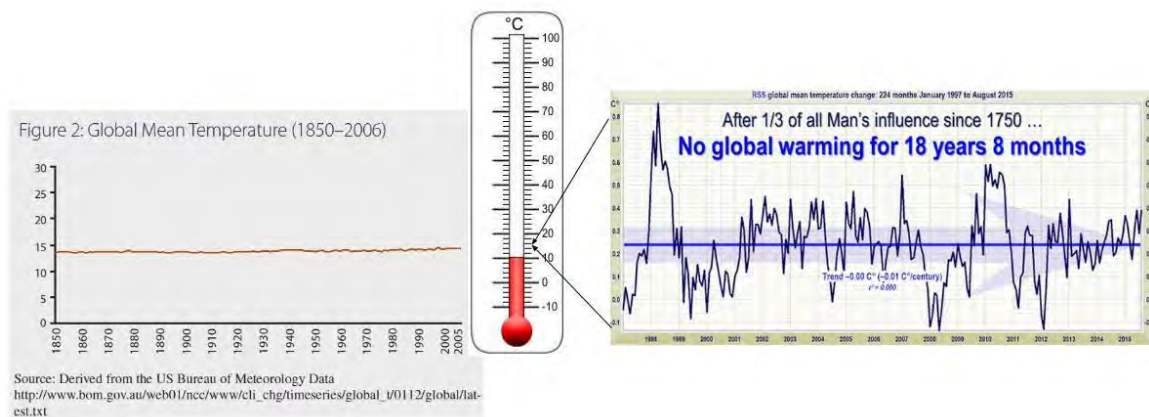
peer-reviewed papers published from 2008 to 2012 on the solar influence on climate that were ignored by the IPCC in the fifth assessment report.”

5.2 Failed IPCC Models Lead to Vast Financial Waste and Global Disaster for Millions

Gregory points out that these failed models have led to devastating climate policies that have turned economies upside down and ruined the lives of ordinary people, causing premature deaths for millions.

“Climate alarmism based on climate models that don't work has so far cost the world \$1.6 trillion in a misguided and ineffective effort to reduce greenhouse gas emissions. These efforts have caused electricity prices to increase dramatically in Europe causing fuel poverty and putting poor people at risk. High fuel costs and cold winter weather are blamed for 30,000 excess deaths in Britain last year. Europe's energy costs have increased by 17% for consumers and 21% for industry in the last four years. The Canadian climate model failures has contributed to this misery. Canadian politicians and taxpayers need to ask why we continue to fund climate models that can't replicate the historical record and produce no useful information.”

Despite the claims of catastrophic rising temperatures, typically illustrated on scales of 1/10th of a degree Celsius, global temperatures have risen about 0.8 degrees C in the past 166 years since 1850, described by Dr. Ivar Giaever, Nobel Laureate, as actually being ‘very stable.’²²



As early as 2010, law professor Jason Johnston wrote titled *Global Warming Advocacy Science: a Cross Examination* to a scholarly depository. In that paper he performs a task lawyers undertake as a matter of course: he cross-examines an expert witness. In this case, the expert witness is the IPCC.²³

²² <http://www.mediathèque.lindau-nobel.org/videos/34729/ivar-giaever-global-warming-revisited/laureate-giaever>

²³ http://scholarship.law.upenn.edu/cgi/viewcontent.cgi?article=1314&context=faculty_scholarship

6. The Role of “An Inconvenient Truth”

In 2007, the Nobel committee gave the IPCC and Al Gore a Nobel Peace Prize for their work on climate change. A year prior, Gore’s climate catastrophe movie points had been debunked.²⁴ A British court²⁵ found in 2007 that there were several errors in Gore’s movie, “An Inconvenient Truth” had been produced by Laurie David, who was then married to Larry David, producer of what was the most popular sit-com in North America – “Seinfeld.” The Hollywood community quickly got on board with ‘celebrity-aid’ for the planet, and this public support has continued with Robert Redford, Darryl Hannah, Barbra Streisand, Neil Young, and more recently Leonardo DiCaprio.

Al Gore now co-owns Generation Investment Management, a British firm whose web-site states:

“Generation is proud of its close relationship with a number of leading organisations around the world working towards a more sustainable future:

- [World Resources Institute](#)
- [Natural Resource Defense Council](#)
- [The Climate Reality Project](#)
- [Mistra Foundation](#)
- [Global Impact Investing Network](#)

An excerpt from Friends of Science Society’s report “Undue Influence- Markets Skewed” reveals the scope of this influence.

Indeed, the World Resources Institute is extremely influential and reports on its website²⁶ that “WRI Informs National Climate Plans and Advances U.S. Climate Action”

“Key countries – some of which became catalysts in international negotiations culminating in the Paris climate conference – used WRI’s guidance, developed with the United Nations Development Programme (UNDP), and technical support in developing their INDCs. **WRI offered training about the guidance to three-quarters of the countries participating in the climate talks.**” (Bold emphasis added)

In addition to large influential ENGOs such as WRI, a review of US IRS filings by and research by the Foundation Center provides annual summary of US grantmaking activities (OpenSource)²⁷ indicates that some 173 grants totaling some \$101,046,410.00 in funding since 1999 was distributed to dozens of foundations and small, medium and large ENGOs most in the “Alliance for Climate Protection” with the funding linked to Mr. Gore – much of it dedicated to Earth Day and community environmental activism groups. Far from

²⁴ <http://www.ncpa.org/pub/ba561>

²⁵ <http://www.telegraph.co.uk/news/earth/earthnews/3310137/Al-Gores-nine-Inconvenient-Untruths.html>

²⁶ <http://www.wri.org/our-work/top-outcome/wri-informs-national-climate-plans-and-advances-us-climate-action>

²⁷ <http://foundationcenter.org/findfunders/foundation-stats.html>

being small 'grass-roots' groups, The Climate Reality Project (aka "Alliance for Climate Protection") was registered in 2005 and to 2013 had revenues of some \$160 million.

World Resources Institute (WRI) gross revenues from 2000-2013 were reportedly about \$458 million. WRI is very influential, claiming success in influencing the White House on its climate plan: "When the President announced a Climate Action Plan, it included key elements of WRI's "Four Point Plan" and other measures to reduce carbon dioxide pollution and prepare for the impacts of climate change."²⁸ They state they were able to accomplish this by "A strong outreach and communications effort followed, resulting in extensive media coverage of the report. We also held briefings for high-level Administration officials and enlisted allies in the environmental and business worlds to echo our message and carry our work into the White House."

7. Infiltration of the "Carbonbaggers" into the Science

Trading "carbon" credits and imposing carbon taxes or cap-and-trade systems was supposed to result in a reduction in emissions. Instead it has created a new market of financial instruments which Interpol warns is an open playground for organized crime.²⁹ Indeed, the potential sums of money to be made are huge.

Witness this 2007 Baker McKenzie presentation to show industry how to profit from trading in Certified Emissions Reduction credits through the UN's Clean Development Mechanism. **\$1.2 Billion dollars raised in 23 minutes.** In the west, one of the main ways to generation carbon trading credits is from wind and solar farms, with appropriate government policy in place.



²⁸ <http://www.wri.org/our-work/top-outcome/%E2%80%9Cfour-point-plan%E2%80%9D-informs-president-obama%E2%80%99s-us-climate-action-plan>

²⁹ <http://www.interpol.int/en/News-and-media/News/2013/PR090/>

8. The Lack of Evidence for Decarbonization or Claims of Cost-reductions

“I’d like to point out that the IPCC does not make recommendations on any topic and you will not find any recommendations in any of our reports.”

- **Jonathan Lynn**, Head, Communications and Media Relations

In the following excerpt of the IPCC AR5 Summary for Policy Makers Section 4.2.2. government officials are encouraged that a ‘cost effective mitigation strategy’ is to quickly decarbonize by dismantling conventional thermal power generation and replace it with Renewable Energy (RE) ‘deployment at significant scale’ and readers are told there is ‘robust evidence and high agreement’ that ‘substantial performance improvements of RE exist.

Decarbonizing (i.e. reducing the carbon intensity of) electricity generation is a key component of cost-effective mitigation strategies in achieving low stabilization levels (420–530 ppm CO₂e): in most integrated modelling scenarios, decarbonization happens more rapidly in electricity generation than in the industry, buildings, and transport sectors (medium evidence, high agreement) (Figure SPM.7). In the majority of low-stabilization scenarios, the share of low-carbon electricity supply (comprising renewable energy (RE), nuclear and CCS) increases from the current share of approximately 30 % to more than 80 % by 2050, and fossil fuel power generation without CCS is phased out almost entirely by 2100 (Figure SPM. 7). [6.8, 7.11, Figures 7.14, TS.18]

Since AR4, many RE technologies have demonstrated substantial performance improvements and cost reductions, and a growing number of RE technologies have achieved a level of maturity to enable deployment at significant scale (robust evidence, high agreement). Regarding electricity generation alone, RE accounted for just over half of the new electricity-generating capacity added globally in 2012, led by growth in wind, hydro and solar power.

This can only be described as pure fiction that is misleading dozens of countries down a destructive path that destabilizes industry, jobs, investment markets, power grid reliability, and to soaring power prices for consumers.

What is the ‘half a truth’ that is the ‘whole lie’ about this passage?³⁰

True that renewables like wind and solar have become more cost-efficient in terms of cost of devices, power output efficiencies and performance – but entirely false that this is a suitable replacement at ‘deployment at significant scale.’

Conveniently omitted is the fact that integrating wind and solar to any grid requires huge investment in transmission lines and integration devices. In Alberta, transmission lines south to the Pincher Creek wind farms cost some \$2.2 billion; by contrast the new Shepard gas plant in Calgary cost \$1.4 billion. The difference in performance? In 2014, all the wind turbines in Alberta put out only 4% of the electricity generated. The Shepard Natural Gas plant can put out 800 Megawatts of on-demand power 24/7 virtually all year long.

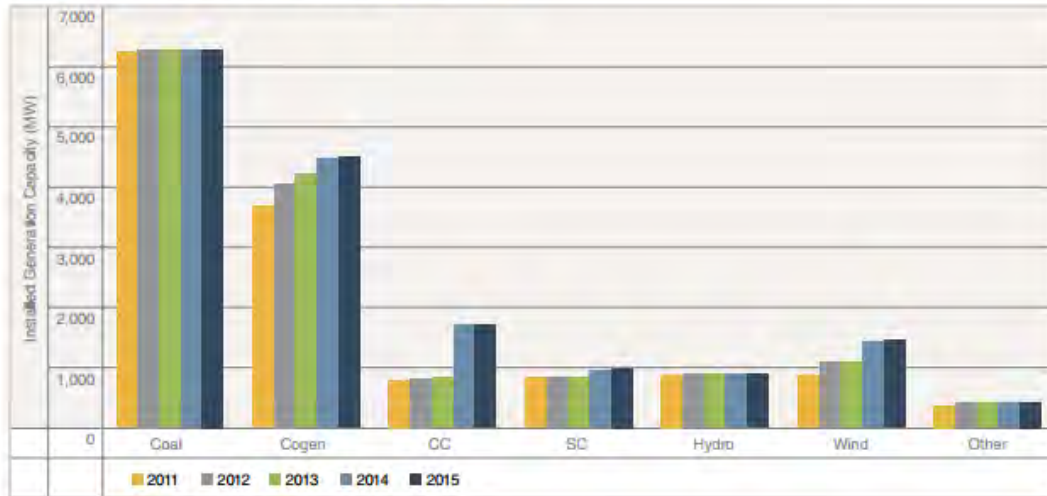
³⁰ <http://skeptivva.org/energy.skeptivva.org/halkema/halkemas.html>

Installed Generation

Total Generation Capacity Increased One Per Cent

The total installed generation capacity in Alberta increased one per cent to 16,288 MW in 2015. Figure 7 shows the annual installed capacity at the end of each calendar year. Most of the increase in installed capacity over the past year occurred due to the addition of 41 MW of new simple-cycle gas generation and 29 MW of new wind generation.

FIGURE 7: Annual Generation Capacity by Technology

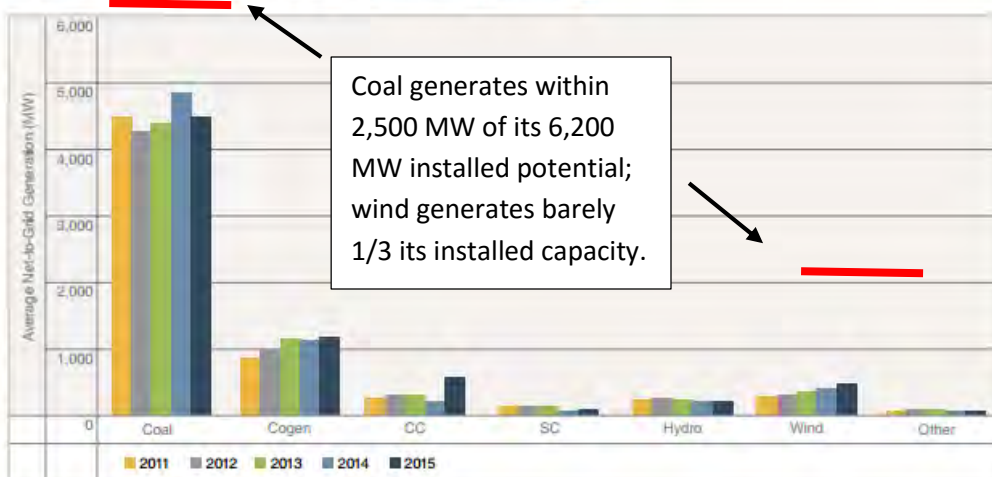


The above chart from the March 2016 Alberta Electric System Operator (AESO) report³¹ shows Alberta's installed generation – in other words the *potential* sources of energy generation.

Coal Generation Served 64 Per Cent of System Load

Figure 11 illustrates the total net-to-grid generation from each generation technology over the last five years. In 2015, coal generation supplied almost two-thirds of energy used to serve system load. Gas generation technologies served 26 per cent of system load. Renewable generation served the remaining ten per cent of system load. Seven per cent of system load was served by wind power alone.

FIGURE 11: Annual Average Net-to-Grid Generation by Technology



³¹ http://www.aeso.ca/downloads/2015_Annual_Market_Stats_WEB.pdf

However, the chart above shows Albertans' *actual* power generation. Note that wind is nowhere near achieving its installed capacity of some 1,500 MW. By contrast, coal is operating at or near capacity.

It is thus disingenuous for the IPCC to have issued a Summary for Policy-Makers (typically government bureaucrats) clearly suggesting that changing the power grid from thermal (coal/natural gas) to renewables like wind and solar could be practically, easily or cost-efficiently done.

But the IPCC 'makes no recommendations on any topic' and thus bears no responsibility for the consequences of governments choosing to follow this apparent directive.

Alberta's Electricity Generation - 2014

Generation	Gigawatt Hour (GWh)	Generation Share By Fuel
Coal	44,442	55%
Natural Gas	28,136	35%
Hydro	1,861	2%
Wind	3,471	4%
Biomass	2,060	3%
Others*	373	0%
Total	80,343	100%

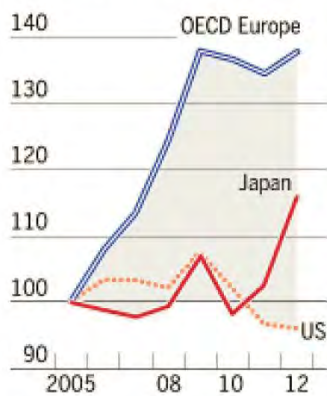
Source: Alberta Utilities Commission (AUC)

*Others include fuel oil and waste heat

The 2014 AESO report shows that Alberta relied on 90% power generation by coal and natural gas combined. Yet based on the misinformation in the IPCC report, which the Alberta Climate Leadership Panel relied upon, the province of Alberta is planning an early phase-out of its coal-fired power generation and a planned replacement of 30% generation by wind and solar, which from the foregoing is obviously an extremely expensive proposition with very unlikely outcomes.

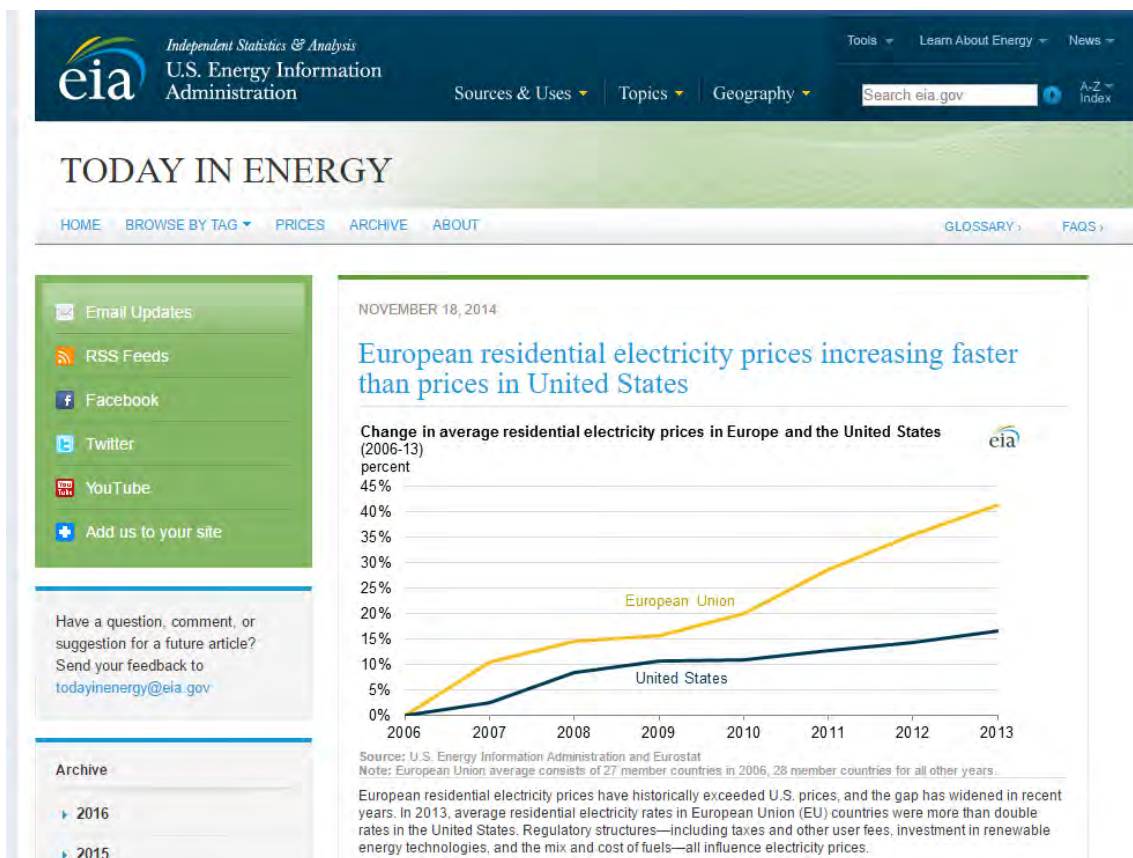
Electricity prices

Rebased (2005 = 100)



Source: European Commission

Worst of all, these measures are estimated to cost Albertans some >\$22 billion - \$11 Billion being for the transition to equivalent natural gas capacity plus another \$11 billion for compensation for coal industry's stranded assets, plus billions in transmission lines and about \$1 million per megawatt integration costs for wind and solar to the grid. The outcome will be a less reliable grid and instead of 'cost-efficient' the evidence shows that power prices will soar, as they have done in the EU and UK.



One has to ask, in the face of this evidence, what is the actual credibility of the IPCC -on anything?

In light of the earlier references to the financial influence of various ENGOs and others who are investors in renewable energy or carbon markets, one has to ask if there has been undue influence on the IPCC as well, particularly in light of the 2007 document entitled "Design to

Win”³² by a group of billionaire philanthropic funds that work together as “ClimateWorks” wherein they stated their objective of “Dethroning King Coal” (pg. 21) and their means of doing so as funding various local ENGOs to accomplish this objective. In Ontario and now in Alberta, ENGOs funded by offshore philanthropies have demonized coal and pushed for renewables. They won in Ontario, where power prices and public debt have soared; the fight continues to go on in Alberta where a principal author of the anti-coal stance³³ was also a key participant of the Alberta Climate Panel.³⁴ Numerous reports by Friends of Science revealed that the anti-coal claims are not supported by evidence.

“Costly Misinformed Diagnosis” -

http://www.friendsofscience.org/assets/documents/costly_misinformed_diagnosis.pdf

“Renewable is NOT So Doable”

<http://www.friendsofscience.org/assets/documents/RenewableNotDoable.pdf>

“Power Full Benefits”

<http://www.friendsofscience.org/assets/documents/Power-full-benefits.pdf>

“Burning Questions: An Evidence-based Review of the Alberta Phase-out Coal Campaign”

http://www.friendsofscience.org/assets/documents/FoS_BurningQuestions_Health_Coal_Wildfires_Jan2015.pdf

It is note-worthy that the Pembina Institute’s report “A Costly Diagnosis” was financially supported by the Oak Foundation, according to the inside front cover acknowledgements as shown below.

Acknowledgements

This research was made possible by generous financial support from the Oak Foundation, the Pembina Foundation as well as the Canadian Health and Environment Education and Research Foundation.

³² http://www.climateworks.org/wp-content/uploads/2015/02/design_to_win_final_8_31_07.pdf

³³ <http://asthma.ca/pdf/costly-diagnosis.pdf>

³⁴ http://www.friendsofscience.org/assets/documents/Alberta_Climate_Change-Panel_too_one-sided.pdf

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Organisation	Programme	Country	Year*	Amount
DeSmog Canada	Environment	Canada	2013	USD 217,960
West Coast Environmental Law Association	Environment	Canada	2013	USD 146,142
Dogwood Initiative	Environment	Canada	2013	USD 229,128
Tides Foundation	Environment	Canada	2013	USD 198,985
Tides Canada Foundation	Environment	Canada	2013	USD 59,512
Global Campaign for Climate Action	Environment	Canada	2012	USD 525,000
Global Campaign for Climate Action	Environment	Canada	2012	USD 75,000
New Venture Fund	Environment	Canada	2012	USD 1,000,000
Pembina Institute	Environment	Canada	2012	USD 404,533
Equiterre	Environment	Canada	2012	USD 304,290
Ecology Action Center	Environment	Canada	2012	USD 99,999
RAVEN (Respecting Aboriginal Values & Environmental Needs)	Environment	Canada	2012	USD 50,906
Tides Canada Foundation	Environment	Canada	2012	USD 25,000
Tides Canada Foundation	Environment	Canada	2012	USD 301,993
Living Oceans Society	Environment	Canada	2011	USD 104,641
University of British Columbia	Environment	Canada	2011	USD 79,775
Global Campaign for Climate Action	Environment	Canada	2010	USD 73,746
Global Campaign for Climate Action	Environment	Canada	2010	USD 1,000,000
Climate Action Network Canada - Réseau action climat Canada	Environment	Canada	2010	USD 47,897
Environmental Defence Canada	Environment	Canada	2010	USD 426,857

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Organisation	Programme	Country	Year	Amount
Tides Canada Foundation	Environment	Canada	2010	USD 50,000
West Coast Environmental Law	Environment	Canada	2010	USD 97,131
Pembina Institute	Environment	Canada	2010	USD 484,106
Greenpeace Canada	Environment	Canada	2010	USD 424,373
World Wildlife Fund Canada Foundation	Environment	Canada	2010	USD 300,000
Global Campaign for Climate Action	Environment	Canada	2009	USD 2,500,000
Tides Foundation	Environment	Canada	2009	USD 700,000
Pew Charitable Trusts	Environment	Canada	2009	USD 300,000
World Wildlife Fund Canada Foundation	Environment	Canada	2008	USD 200,702
Climate Action Network Canada - Réseau action climat Canada	Environment	Canada	2008	USD 299,461
Ecology Action Center	Environment	Canada	2008	USD 280,584
Equiterre	Environment	Canada	2008	USD 376,861
Living Oceans Society	Environment	Canada	2008	USD 485,057
Ecotrust Canada	Environment	Canada	2008	USD 442,044
Greenpeace Canada	Environment	Canada	2007	USD 436,675
Environment Northeast	Environment	Canada	2007	USD 200,004
University of British Columbia	Environment	Canada	2007	USD 300,000
Pembina Institute	Environment	Canada	2006	USD 51,458
Equiterre	Environment	Canada	2006	USD 263,408
Ecotrust Canada	Environment	Canada	2006	USD 129,556

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Organisation	Programme	Country	Year	Amount
Pollution Probe Foundation The	Environment	Canada	2006	USD 86,780
New Brunswick Lung Association	Environment	Canada	2006	USD 86,397
Ecology Action Center	Environment	Canada	2006	USD 87,877
Ontario Sustainable Energy Association	Environment	Canada	2006	USD 98,239
Tides Canada Foundation	Environment	Canada	2006	USD 440,587
National Environmental Trust	Environment	Canada	2006	USD 75,000
Pembina Institute	Environment	Canada	2005	USD 269,971
Tides Canada Foundation	Environment	Canada	2005	USD 208,181
Sierra Club of Canada Foundation	Environment	Canada	2005	USD 217,893
Environment Northeast	Environment	Canada	2005	USD 138,090
Canadian Parks and Wilderness Society - BC Chapter	Environment	Canada	2005	USD 156,043
Ecotrust Canada	Environment	Canada	2005	USD 293,479
Living Oceans Society	Environment	Canada	2005	USD 200,000
University of British Columbia	Environment	Canada	2005	USD 242,000

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Oak Foundation is part of the UN Environment Program and the Geneva Environment Network.



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eeep@oakfnd.ch
Contact:
 Leonardo Lacerda, Environment Programme Director, Email: eeep@oakfnd.ch

Description

Oak Foundation is a group of charitable and philanthropic organisations established in various countries. Oak Foundation commits its resources – primarily to not-for-profit associations – to address issues of global social and environmental concern, particularly those that have a major impact on the lives of the disadvantaged.

This suggests there may be some conflicts of interest at play.

9. The UN's IPCC Has No Credibility On Global Warming

September 6, 2015 by Allan MacRae (posted on Friends of Science Society's Blog)³⁵

In 2002 the PEGG, the journal of the Association of Professional Engineers and Geoscientists of Alberta (APEGA) solicited the following debate on the now-defunct Kyoto Accord (Kyoto Protocol) between the Pembina Institute, which supported the Kyoto Accord and relied upon the position of the United Nations Intergovernmental Panel on Climate Change (IPCC), and Dr. Sallie Baliunas, Harvard Astrophysicist, Dr. Tim Patterson, Carleton Paleoclimatologist, and Allan MacRae, P.Eng., who opposed Kyoto based on scientific statements in their PEGG article and rebuttal.³⁶

After 13 years, it is instructive to look back at the opposing positions and see how they have fared. One's predictive track record is an objective measure of one's technical competence. All the IPCC's scary projections of human-made climate change, catastrophic global warming, and extreme weather have failed to materialize, despite significant increases in atmospheric CO₂, the alleged cause of climate change. The IPCC has a negative predictive track record, and therefore has **NEGATIVE** credibility. One would have been more correct if one had assumed the opposite of the IPCC's scary climate projections. Pembina in 2002 quoted the IPCC's Third Assessment Report (TAR, 2001) Summary for Policymakers: "In the light of new evidence and taking into account the remaining uncertainties, most of the observed warming over the last 50 years is likely to have been due to the increase in greenhouse gas concentrations... .. The globally averaged surface temperature is projected [in business-as-usual scenarios] to increase by 1.4 to 5.8° Celsius over the period 1990 to 2100."

However, global temperatures in the Lower Troposphere (LT) have NOT warmed in more than 18 years, according to the most accurate data measured by satellites, despite increases in CO₂.³⁷

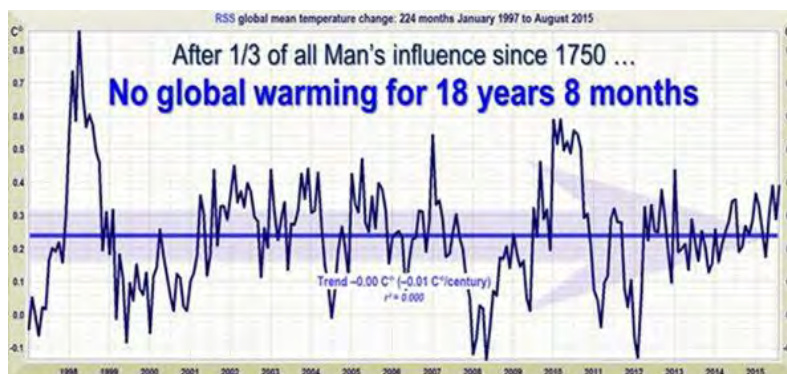


Figure 1. The RSS satellite anomaly data set shows no global warming for 18 years 8 months.

³⁵ <https://friendsofsciencecalgary.wordpress.com/2015/09/15/what-is-the-ipccs-credibility-on-global-warming-a-2002-kyoto-debate-retrospective/>

³⁶ <http://www.friendsofscience.org/assets/documents/KyotoAPEGA2002REV1.pdf>

³⁷ <http://wattsupwiththat.com/2015/09/04/the-pause-lengthens-yet-again/>

Pembina in 2002 further stated: “The IPCC, however, finds good agreement between model simulations and observed temperature over the past 140 years, including the temperature increase up to 1940, if the simulations include solar variation and volcanic activity along with emissions of GHGs and particulates.” In fact, the models quoted by the IPCC have greatly over-predicted the amount of global warming.



Figure 2. Near-term projections of warming made with “substantial confidence” in **IPCC FAR (1990)** vs. observed anomalies, taken as the mean of the RSS and UAH v.5.6 satellite LT temperature anomalies.



Figure 3. Predicted temperature change in **IPCC AR5 (2013)** vs. the near-zero observed anomalies, taken as the mean of the RSS and UAH v. 5.6 satellite LT temperature anomalies, 2005 to 2015.

The IPCC’s models were corrupted by fabricated aerosol data that was used to justify an excessively high Climate Sensitivity to atmospheric CO₂. This false aerosol data is contradicted by actual data, as evidenced by Dr. Douglas V. Hoyt’s comments at <http://www.climateaudit.org/?p=755>

The climate has been remarkably stable despite substantial increases in atmospheric CO₂. On November 29, 2012, 134 climate scientists signed an open letter to the UN Secretary-General: <http://business.financialpost.com/fp-comment/open-climate-letter-to-un-secretary-general-current-scientific-knowledge-does-not-substantiate-ban-ki-moon-assertions-on-weather-and-climate-say-125-scientists> [excerpt] “The U.K. Met Office recently released data showing that **there has been no**

statistically significant global warming for almost 16 years. During this period, according to the U.S. National Oceanic and Atmospheric Administration (NOAA), carbon dioxide (CO₂) concentrations rose by nearly 9% to now constitute 0.039% of the atmosphere. Global warming that has not occurred cannot have caused the extreme weather of the past few years. Whether, when and how atmospheric warming will resume is unknown. The science is unclear. Some scientists point out that near-term natural cooling, linked to variations in solar output, is also a distinct possibility.

The “even larger climate shocks” you have mentioned would be worse if the world cooled than if it warmed. Climate changes naturally all the time, sometimes dramatically. The hypothesis that our emissions of CO₂ have caused, or will cause, dangerous warming is not supported by the evidence.

The incidence and severity of extreme weather has not increased. There is little evidence that dangerous weather-related events will occur more often in the future. The U.N.’s own Intergovernmental Panel on Climate Change says in its Special Report on Extreme Weather (2012) that **there is “an absence of an attributable climate change signal” in trends in extreme weather losses to date.**

There is no sound reason for the costly, restrictive public policy decisions proposed at the U.N. climate conference in Qatar. Rigorous analysis of unbiased observational data does not support the projections of future global warming predicted by computer models now proven to exaggerate warming and its effects.

The NOAA “State of the Climate in 2008” report asserted that 15 years or more without any statistically-significant warming would indicate a discrepancy between observation and prediction. Sixteen years without warming have therefore now proven that **the models are wrong** by their creators’ own criterion.”

The IPCC’s supporters responded by falsifying the Surface Temperature (ST) record to **overstate global warming.** Some of the evidence of this falsifying of ST data is recorded here: <http://wattsupwiththat.com/2015/08/14/problematic-adjustments-and-divergences-now-includes-june-data/> [excerpt] “As can be seen from Figure 4, **there is a strong correlation between carbon dioxide increases and adjustments to the United States Historical Climatology Network (USHCN) temperature record and these adjustments to the surface data in turn result in large divergences between surface data sets and satellite data sets.** In the post with April data, the following questions were asked in the conclusion: “**Why are the new satellite and ground data sets going in opposite directions? Is there any reason that you can think of where both could simultaneously be correct?**”

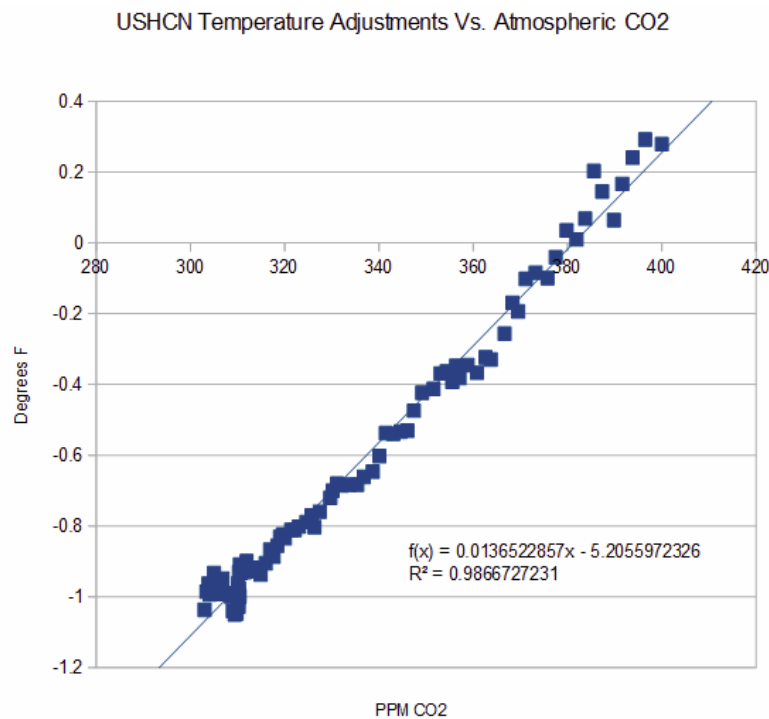


Image Credit: [Steven Goddard](#)

Figure 4. Strong correlation between carbon dioxide increases and **adjustments** to the United States Historical Climatology Network (USHCN) temperature record.

*Professor Robert Brown of Duke University had an excellent response to this question here. **The two data sets should not be diverging, period, unless everything we understand about atmospheric thermal dynamics is wrong.** That is, I will add my “opinion” to Werner’s [Brozek] and point out that it is based on simple atmospheric physics taught in any relevant textbook. This does not mean that they cannot and are not systematically differing; it just means that the growing difference is **strong evidence of bias in the computation of the surface record.** This bias is not really surprising, given that **every new version of HadCRUT and GISS has had the overall effect of cooling the past and/or warming the present!** This is as unlikely as flipping a coin (at this point) ten or twelve times each, and having it come up heads every time for both products. In fact, if one formulates the null hypothesis “the global surface temperature anomaly corrections are unbiased”, the p-value of this hypothesis is less than 0.01, let alone 0.05. If one considers both of the major products collectively, it is less than 0.001. **IMO, there is absolutely no question that [Surface Temperature ST data sets] GISS and HadCRUT, at least, are at this point hopelessly corrupted.**”*

Summarizing the IPCC’s track record: The IPCC has fabricated false projections of catastrophic global warming and extreme weather that have not materialized.

The IPCC’s false claims are contradicted by two decades of credible data. The IPCC has negative credibility.

In contrast, the eight predictions made by Patterson, Baliunas and McRae on the 2002 PEGG rebuttal remain credible:

1. *"Climate science does not support the theory of catastrophic human-made global warming - the alleged warming crisis does not exist."* NO net global warming has occurred for more than 18 years despite increasing atmospheric CO₂.

2. *"Kyoto focuses primarily on reducing CO₂, a relatively harmless gas, and does nothing to control real air pollution like NO_x, SO₂, and particulates, or serious pollutants in water and soil."* Note the extreme pollution of air, water and soil that still occurs in China and the Former Soviet Union.

3. *"Kyoto wastes enormous resources that are urgently needed to solve real environmental and social problems that exist today. For example, the money spent on Kyoto in one year would provide clean drinking water and sanitation for all the people of the developing world in perpetuity."* Since the start of global warming mania, about 50 million children below the age of five have died from contaminated water.

4. *"Kyoto will destroy hundreds of thousands of jobs and damage the Canadian economy - the U.S., Canada's biggest trading partner, will not ratify Kyoto, and developing countries are exempt."* Canada signed Kyoto but then most provinces wisely ignored it – the exception being now-depressed Ontario, where government adopted ineffective "green energy" schemes and drove up energy costs.

5. *"Kyoto will actually hurt the global environment - it will cause energy-intensive industries to move to exempted developing countries that do not control even the worst forms of pollution."* Note the huge manufacturing growth and extremely polluted air in the industrial regions of China.

6. *"Kyoto's CO₂ credit trading scheme punishes the most energy efficient countries and rewards the most wasteful. Due to the strange rules of Kyoto, Canada will pay the Former Soviet Union billions of dollars per year for CO₂ credits."* Our government did not pay the FSU, but other governments did, bribing them to sign Kyoto.

7. *"Kyoto will be ineffective - even assuming the overstated pro-Kyoto science is correct, Kyoto will reduce projected warming insignificantly, and it would take as many as 40 such treaties to stop alleged global warming."* IF one believed the false climate models, one would conclude that we must stop using fossil fuels.

8. *"The ultimate agenda of pro-Kyoto advocates is to eliminate fossil fuels, but this would result in a catastrophic shortfall in global energy supply - the wasteful, inefficient energy solutions proposed by Kyoto advocates simply cannot replace fossil fuels."* Governments that adopted "green energy" schemes such as wind and solar power are finding these schemes are not green and produce little useful energy. Their energy costs are soaring and these governments are in retreat, dropping their green energy subsidies as fast as they politically can.

IN SUMMARY: All the above predictions made by Patterson, Baliunas and McRae in 2002 have proven correct in those states that fully adopted the Kyoto Accord, whereas none of the IPCC's scary climate projections have materialized.

So what happens next? Will we see catastrophic human-made global warming? **No, Patterson, Baliunas and McRae predicted in 2002 that Earth will soon cool** and that prediction is increasingly probable. Paleoclimatologist Dr. Tim Patterson and Allan McRae, P. Eng., **predicted the commencement of global cooling by 2020 to 2030** in an article I wrote in 2002. This prediction is gaining credibility as solar activity in current Solar Cycle 24 (SC 24) has crashed. This prediction is still less than certain, but SC25 is also projected to be very weak, so we will probably experience two consecutive very-weak Solar Cycles in SC24 and SC25. IF the Sun does indeed primarily drive global temperature, as the authors believe, then successive governments in Britain and continental Europe have brewed the perfect storm. They have crippled their energy systems with excessive reliance on ineffective grid-connected wind and solar power schemes. **Global cooling will probably happen within the next decade or sooner, and Europe and the world will get colder, possibly much colder. Winter deaths will increase as cooling progresses, especially harming the elderly and the poor. Excess Winter Mortality rates will provide an estimate of this unfolding tragedy.**

Timing is difficult to estimate, but **McRae now expects natural global cooling to be evident by 2020 or sooner.**

The Alberta Climate Change initiative seeks to reduce the use of fossil fuels and increase the use of green energy. In Europe, where green energy schemes have been widely implemented, the result is higher energy costs that are unaffordable for the elderly and the poor, and increased winter deaths.

The problem with green energy schemes is **they are not green and they produce little useful energy**, primarily because they are too intermittent and require almost 100% fossil-fueled or other backup.

Due to this need for almost 100% back-up from conventional energy systems, green energy schemes do not even significantly reduce human made emissions of CO₂. **To date, green energy schemes have been costly fiascos which require huge life-of-project subsidies that are paid by consumers.**

As one of the authors of the original PEGG debate of 2002 with the Pembina Institute points out, European politicians are retreating from highly-subsidized green energy schemes that have damaged their industrial competitiveness and harmed their people, and they are gradually reverting to fossil fuels. It appears they would do so more quickly, except they are embarrassed by their foolish acceptance of global warming mania and are trying to save face. The Sun, a UK newspaper, recently quoted British Prime Minister David Cameron as saying: "We have got to get rid of all this green crap." <http://www.theguardian.com/environment/2013/nov/21/david-cameron-green-crap-comments-storm>

Mr. Cameron's candid statement reflects the fact that the UK has created its own energy crisis due to excess investment in worthless, over-hyped green energy schemes and must quickly find a solution.

The lessons for Alberta are clear: When misinformed politicians fool with energy systems, the costs are enormous – globally, trillions of dollars of scarce resources have been squandered, economies have been severely damaged, and innocent people have needlessly suffered and died.

10. Some Scientists say One Thing, Evidence Says Another

Submitted by Norm Kalmanovitch, Friends of Science Society

The Scientists' Declaration 2007

<http://www.ccrcc.unsw.edu.au/news/2007-bali-climate-declaration-scientists>

2007 Bali Climate Declaration by (Some) Scientists

1 September 2007

This consensus document was prepared under the auspices of the Climate Change Research Centre at the University of New South Wales in Sydney, Australia.

*The 2007 IPCC report, compiled by several hundred climate scientists, **has unequivocally concluded that our climate is warming rapidly**, and that we are now at least 90% certain that **this is mostly due to human activities**. The amount of carbon dioxide in our atmosphere now far exceeds the natural range of the past 650,000 years, and it is rising very quickly due to human activity. If this trend is not halted soon, many millions of people will be at risk from extreme events such as heat waves, drought, floods and storms, our coasts and cities will be threatened by rising sea levels, and many ecosystems, plants and animal species will be in serious danger of extinction.*

The next round of focused negotiations for a new global climate treaty (within the 1992 UNFCCC process) needs to begin in December 2007 and be completed by 2009. The prime goal of this new regime must be to limit global warming to no more than 2°C above the pre-industrial temperature, a limit that has already been formally adopted by the European Union and a number of other countries.

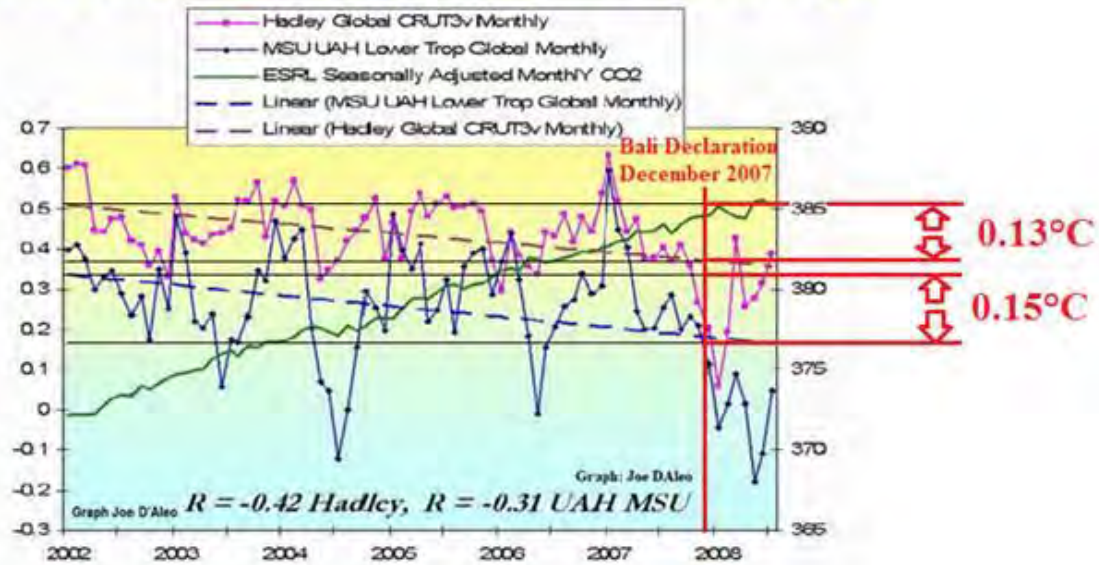
***Based on current scientific understanding**, this requires that global **greenhouse gas emissions need to be reduced by at least 50% below their 1990 levels by the year 2050**. In the long run, greenhouse gas concentrations need to be stabilised at a level **well below 450 ppm** (parts per million; measured in CO₂-equivalent concentration). In order to stay below 2°C, global emissions must peak and decline in the next 10 to 15 years, so there is no time to lose.*

As scientists, we urge the negotiators to reach an agreement that takes these targets as a minimum requirement for a fair and effective global climate agreement.

Evidence Says Another

HadCRUT3 shows 0.13°C of cooling from 2002 to 2007 when the Bali Declaration was issued stating that it was unequivocal that **“that our climate is warming rapidly”**

World Temperatures keep falling while CO2 is rising!



Negative correlation means that global warming is **definitely not** “mostly due to human activities”

11. What causes Climate Change?

As discussed by Dr. John Harper, former director of the Geological Survey of Canada, there is 600 million years of geologic evidence showing that “What we are seeing with climate (policy) today is out of context with how the earth responds to solar system and variations on its surface... I see putting all this attention on carbon dioxide as being false economics – the carbon dioxide concentration is a CONSEQUENCE of the earth’s climate it is not a cause of the earth’s climate and it is critical we understand it and we can demonstrate it.”³⁸

³⁸ Carbon dioxide’s effect on warming is widely debated and while it is also a cause of warming, even the IPCC have reduced their estimate of carbon dioxide’s warming effect. Ken Gregory, science advisor to Friends of Science notes in this climate sensitivity update: “I have updated my climate sensitivity estimates. I calculate that the global temperature due to anthropogenic CO₂ emissions will increase from 2016 to 2100 by only 0.57 °C if atmospheric CO₂ continues to increase at the current rate of 0.55%/year. Actual temperatures may rise or fall depending on natural climate change. The benefits of CO₂ fertilization, reduced cold weather related mortality, lower outdoor industry costs such as construction costs, increased arable land area and reduced heating costs greatly exceed harmful effects of warming on a global basis. The net social benefits of greenhouse gas emissions is about 18\$US/tCO₂e.”

As with most earth scientists, Dr. Harper explains that over the 600 million years of geologic history the history of the earth's climate is 'written in the rock' and it shows very dramatic cycles from glaciation, to temperate, to tropical, to *evaporization* (extreme heat) and back again.

These cycles are affected by solar and extraterrestrial factors, many of which are not well understood but are known to exist, such as changing planetary and solar orbits, changes in solar wind, fluctuations in solar magnetism that also affect earth's geomagnetic fields – and these in turn affect huge natural modifiers of earth's climate such as the atmospheric concentrations of gases, atmospheric oscillations, tidal movements, ocean currents, winds, and more.

In addition to these exterior forces, the earth itself is a dynamic body, constantly in motion from dramatic movements in tectonic plates (which occur over long periods of time) to sudden bursts of tectonic shifts that can cause devastating impacts like the 2011 tsunami in Japan, to massive volcanic eruptions, like that of Mount Tambora in 1816 which led to "the year without summer" and so on.

Friends of Science Society has been reviewing the evidence on climate change and global warming for over 13 years and has come to the conclusion that the sun is the main driver of climate change. However, the IPCC gives short shrift to solar effects on climate.³⁹

In 2010 it was reported that the IPCC relied on only **one solar scientist** for commentary on the solar influence on climate. This IPCC expert on solar influence on climate also relied on only one published paper which they themselves had authored, according to this report: ⁴⁰

Klimaskeptik.cz, a Czech climate skeptic blog, has posted today an interesting article "Judithgate: The IPCC was only one Solar Physicist" ([google rough translation](#)). Her name is Judith Lean (photo left). On the basis of this "consensus of one" solar physicist, the IPCC proclaimed solar influences upon the climate to be [minimal](#). Objection to this was raised by the Norwegian government as shown in the AR4 [second draft comments](#) below (and essentially dismissed by the IPCC): "I would encourage the IPCC to [re-]consider having only one solar physicist on the lead author team of such an important chapter. In particular, since the conclusion of this section about solar forcing hangs on one single paper in which J. Lean is a coauthor. I find that this paper, which certainly can be correct, is given too much weight"....:

Klimaskeptik.cz continues [google translation + editing]: "As I wrote elsewhere (article on pmode ACRIM), Judith Lean, along with Claus Frohlich, are responsible for the scandalous rewriting of graphs of solar activity. Satellites showed that the TSI (measured in watts) between 1986 and 96 increased by about one third. Judith Lean and Claus Frohlich (authors of the single study noted above) "manipulated" the data. People who were in charge of the satellites and created the original graphs (the world's best astrophysics: Doug Hoyt, Richard C. Willson), protested in vain against such manipulation. Willson: "Fröhlich has made changes that are wrong ... He did not have sufficient knowledge of (satellite) Nimbus7 ... pmode composites are useful for those who

³⁹ <https://sites.google.com/site/globalwarmingquestions/ar4sol>

⁴⁰ <http://climaterealist.com/index.php?id=5910&utm>

argue that global warming may be primarily due to anthropogenic causes."
[cautionary note English->Czech->English translation of Wilson]

Why would the IPCC be reluctant to include an extensive review of solar physics in their reports? For one thing, their mandate is to establish human-causation factors of climate change. Another obvious self-interested reason is the \$1.5 trillion dollar 'climate change' consulting industry and the many related 'Carbonbaggers.'

As astrophysicist Dr. Nir Shaviv notes in an interview, if the IPCC acknowledged the role of the sun on climate, they would all have to entirely change their world view.^{41 42}

12. Questionable Influences and Unusual Processes of the IPCC

Undue Influence by Agenda-driven Environmental Activists

There are numerous criticisms of the IPCC for biased reporting,⁴³ the most damning the work of investigative journalist Donna Laframboise whose research revealed that World Wide Fund and Greenpeace activists were firmly ensconced in the writing process of key reports.⁴⁴ It should be noted that Greenpeace is presently facing defamation charges by forestry company Resolute. As part of the discoveries, a 2006 Greenpeace press release, wherein someone forgot to 'fill in the blank with an alarmist statement,' says:⁴⁵

Greenpeace USA mistakenly issued a press release stating 'In the twenty years since the Chernobyl tragedy, the world's worst nuclear accident, there have been nearly [FILL IN ALARMIST AND ARMAGEDDONIST FACTOID HERE]'. "

Moral considerations of climate change and carbon reduction require international jet travel

Philosopher John Broome was selected by the UK government to be part of the IPCC reporting process in 2014 and he claims that 'climate change is a moral problem' – though it is difficult to see the morality of solar cycles, planetary orbit, dynamic earth processes and the like or how a scientific assessment becomes a moral problem, except perhaps in the vast waste of human and fossil fuels resources used in flying from place to place for endless meeting.

Excerpts of Broome's blog on his IPCC work:

On the Job

During the three years I have worked for the IPCC, I have had many experiences that are not typical in the life of a philosopher. There is the travel, for one thing. To fight climate change, the IPCC finds it necessary to hold meetings in remote corners of the world. Its own resources are small, so it

⁴¹ <https://youtu.be/Vlp0PAVRV-k>

⁴² <http://www.friendsofscience.org/index.php?id=2125>

⁴³ <https://sites.google.com/site/globalwarmingquestions/ar4sol>

⁴⁴ <http://www.friendsofscience.org/index.php?id=603>

⁴⁵ <http://www.nationalreview.com/corner/123943/greenpeace-so-embarrassed-they-could-fill-blank-andrew-c-mccarthy>

goes wherever a government offers to fund a meeting. I have been to IPCC meetings in Lima, Changwon in South Korea, Wellington and Addis Ababa. In Europe, the IPCC has taken me to Vigo, Geneva, Oslo, Utrecht, Berlin and Potsdam. Kuala Lumpur and Copenhagen are still to come. I hope the other authors offset the emissions caused by their travel to these meetings; I am pleased to say that the British government pays to offset mine. All this traveling is not much fun; IPCC work is relentless, and I have had little time to enjoy the places I have been to.⁴⁶

Marathon Midnight Group Edit Sessions Rely on Political Consensus, Size of Delegation and Sheer Stamina

Broome's description of the editing process of the Summary for Policymakers is enlightening, for we are generally led to believe the IPCC turns out scientific documents; in fact, the SPM, the shorter document most used by governments to set climate policy, is a mishmash of political positioning and sheer exhaustion from the sounds of his review.

Extract of Broome's blog:

The whole idea of the Approval Session is extraordinary. Every single sentence of the SPM has to be either approved or rejected by delegates from governments. At the Plenary meeting, the draft is projected on a screen sentence by sentence. As each sentence comes up, the chairman asks delegates for comments on it and proposed amendments. Delegates propose amendments and the authors then consider whether they can be supported by the underlying main report. The rule is that a sentence is approved only if it is supported by the main report, and only if there is a consensus on approving it among the delegates. When the haggling on a sentence is concluded and a consensus obtained, the chairman brings down the gavel, the approved sentence is highlighted on the screen in green, and discussion moves to the next sentence. Very gradually, green highlighting spreads through the report. Five days—Monday to Friday—were set aside for approving the whole 30 pages by this means.

In effect, the text is edited by several hundred people sitting together in a big room. One hundred and seven countries sent delegations of varying sizes. Saudi Arabia is said to have sent ten or more. The delegates arrive with political interests. Many oppose each other diametrically. Moreover, their governments are already locked in negotiations preparing for the major climate-change meeting that is planned for Paris next year under the auspices of the UN Framework Convention on Climate Change. The wording of the SPM matters to the delegates, since it may be quoted in the negotiations. At our IPCC meeting, they treated the SPM as though it were a legal document rather than a scientific report. It was flattering in one way to find so many governments giving our work such serious attention. But the effects of their attention were often infuriating. To

⁴⁶ <http://enviroethics.org/2014/05/20/a-philosopher-at-the-ipcc/2/>
(footnote continued)

achieve consensus, the text of the SPM was made vaguer in many places, and its content diluted to the extent that in some places not much substance remained.⁴⁷

Timing is Everything – Out of Date Before Report Released

And finally, economist Richard Tol, IPCC lead author, offers a critique of the most recent IPCC AR5 reports, saying that they were out of date before they were published.

“The IPCC became less pessimistic about climate change, although its press release would not tell you so. The report also illustrates just how outmoded the IPCC has become since it was founded in 1988. Its reports are written over a period of three years, and finished months before publication.

When preparations started on AR5, the world hadn’t warmed for 13 years. That is a bit odd, if you believe the models, but not odd enough to merit a lot of attention.

By the time the report was finished, however, it hadn’t warmed for 17 years. That is decidedly odd, but hard to accommodate in a near-final draft that has been through three rounds of review.

After the report was finalized, but before it was published, a number of papers appeared with hypotheses about the pause in warming. **AR5 was out of date before it was released.**”⁴⁸

In Summary

We believe this report demonstrates that there is a ‘confluence of carbonbaggers’ associated with the IPCC, turning what is supposed to be a scientific exploration of human impacts on climate change into a circus of undue influence, skewed science, unreliable predictions, and an elephantine process that largely exists for its own sake and that of its globe-trotting coterie.

Prof. Dr. Istvan Mark of Belgium has an even more stinging critique of the endless round of Conference of the Parties talks – seeing them as a kind of international trade fair with a climate change theme.⁴⁹ This view is supported by the geopolitical commentaries by researcher William Kay.^{50 51 52} On this note, we end this review. Is the IPCC a credible, unbiased, reliable scientific authority on climate change, upon whose advice we should turn our economy upside down, with climate targets that will literally turn our economy to ashes?⁵³

You decide.

⁴⁷ <http://enviroethics.org/2014/05/20/a-philosopher-at-the-ipcc/3/>

⁴⁸ <http://www.foxnews.com/opinion/2014/05/20/un-climate-change-expert-reveals-bias-in-global-warming-report.html>

⁴⁹ <https://friendsofsciencecalgary.wordpress.com/2015/10/31/cop21-hypocrite-industries/>

⁵⁰ <https://friendsofsciencecalgary.wordpress.com/2015/12/21/post-paris-climate-talks-and-geopolitics/>

⁵¹ <https://youtu.be/7DimL5e19iw>

⁵² <https://youtu.be/nEZnGUpTO1U>

⁵³ http://friendsofscience.org/assets/documents/climate_change_implications_Lyman.pdf

Appendix

The list of errors, failed predictions and lack of consensus has been widely reported on a number of websites:

<http://hootervill Gazette.com/NoConsensus.html>

Video

https://www.youtube.com/watch?feature=player_embedded&v=FETSDpUFrp8

This is the list from this website:

- [31,000 Scientists Prove No 'Consensus' on "Man-Made" Global Warming \(OISM\)](#)
- [4000 Scientists sign 'The Heidelberg Appeal' \(Science & Environmental Policy Project\)](#)
- [1500 Scholars, Policy Experts and Theologians sign the 'Cornwall Declaration on Environmental Stewardship' \(Cornwall Alliance\)](#)
- [1100 Climate Realists sign 'The Manhattan Declaration on Climate Change' \(ICSC\)](#)
- [650 International Scientists Dissent Over Man-Made Global Warming Claims \(US Senate Committee on Environment & Public Works\)](#)
- [500 Scientists with Documented Doubts of Man-Made Global Warming Scares \(The Heartland Institute\)](#)
- [400 Scientists Dispute Man-Made Global Warming Claims \(US Senate Committee on Environment & Public Works\)](#)
- [170 Scientists, Economists and Theologians sign an open letter to the signers of 'Climate Change: An Evangelical Call to Action' \(Cownwall Alliance\)](#)
- [105 Scientists sign 'The Leipzig Declaration on Global Climate Change' \(Science & Environmental Policy Project\)](#)
- [100 Scientists sign an 'Open Letter to the Secretary-General of the United Nations' \(National Post, Canada\)](#)
- [60 Scientists call on Harper to revisit the science of global warming \(Financial Post, Canada\)](#)

- [47 Scientists sign the 'Statement by Atmospheric Scientists on Greenhouse Warming' \(Science & Environmental Policy Project\)](#)
- [41 Scientists debunk global warming alert \(The Daily Telegraph, UK\)](#)
- [35 Skeptical Scientists, 'The Deniers' \(National Post, Canada\)](#)

There is also Norm Kalmanovitch's letter as well as the letter from 125 scientists (included in the list above) to Secretary General Ban Ki Moon

<http://www.ilovemycarbon dioxide.com/pdf/Letter UN Sec Gen Ban Ki-moon.pdf>

<http://business.financialpost.com/fp-comment/open-climate-letter-to-un-secretary-general-current-scientific-knowledge-does-not-substantiate-ban-ki-moon-assertions-on-weather-and-climate-say-125-scientists>



About

Friends of Science Society has spent over a decade reviewing a broad spectrum of literature on climate change and have concluded the sun is the main driver of climate change, not carbon dioxide (CO₂). Friends of Science is made up of a growing group of earth, atmospheric and solar scientists, engineers, and citizens.

Friends of Science Society
P.O. Box 23167, Mission P.O.
Calgary, Alberta
Canada T2S 3B1

Toll-free Telephone: 1-888-789-9597
Web: friendsofscience.org
E-mail: [contact\(at\)friendsofscience\(dot\)org](mailto:contact@friendsofscience.org)

