

CC 2006/253

S9(2)(a)

Dear S9(2)(a)

Thank you for your email of 5 November 2006 regarding climate change science and the UK Daily Telegraph article by Christopher Monckton.

I appreciate that there are still some in the community, here and overseas, who do not accept the reality of global climate change. The New Zealand Government does not share this view.

This government has carefully examined the evidence presented by a wide range of people. We are very firmly of the view that the most reliable current assessment of the science is that provided by the Intergovernmental Panel on Climate Change (IPCC). The IPCC was set up explicitly to provide governments with reliable advice in this area. The advice from their most recent assessment, the IPCC Third Assessment Report, was that there is new and stronger evidence that most of the warming observed over the last 50 years is attributable to human activities. Without action to reduce our greenhouse gas emissions, dangerous changes in the climate system may result. We accept that advice and are acting accordingly.

Philosophically, with climate change science we are beyond the point at which there is reasonable doubt that human-induced changes are causing the global temperature to rise. The overwhelming majority of scientists agree on the main points of climate change science, even if there is still some uncertainty about particular aspects, such as how the concentration of greenhouse gases in the atmosphere will change in the future.

I would like to address a few statements made by the author of the article you read which are inaccurate and demonstrate that this is not a credible source of information:

- The author wrongly states that the UK taxpayer “unwittingly meets the entire cost of its IPCC scientific team”. This is overly simplistic. IPCC activities, including travel costs for experts from developing countries and countries with economies in transition, are financed through voluntary contributions from many governments. The World Meteorological Office, United Nation Environmental Programme and the United Nations Framework Convention on Climate Change also provide additional support.

- He states that the UN (presumably meaning the IPCC) “abolished the medieval warm period”. The IPCC does acknowledge in its reports that the climate was warmer during that period in the area around Europe.
- He also claims that the medieval warm period was a global warming of the earth when in fact there is actually very little good evidence that it was indeed a globally warm period comparable to today. Regionally, there may have been places that did exhibit notable warmth but most of the various global proxy reconstructions agree that it is warmer now and the temperature is rising faster than at any time in the last 650 thousand years.
- He criticises the use of the so called ‘hockey stick’ graph of global temperature and refers to the US Senate investigation (known as the “Wegman Report”) into the statistics used to construct the graph of global temperature trends over the last 1000 years. There are serious limitations to the Wegman Report and its findings do not, in fact, affect the confidence that can be placed in the ‘hockey stick’ graph. Conclusions of the IPCC do not, in any case, rely solely or even principally on such surface temperature reconstructions. This is merely one of multiple lines of evidence supporting the conclusion that the climate is warming in response to human activities, and they are not the primary evidence.
- The author claims that the sun could have caused just about all of the entire 20<sup>th</sup> Century warming. A number of other factors are known to influence climate and cause change, particularly volcanic eruptions, variations in the energy from the sun and particles released into the atmosphere from both natural sources and human activities. The IPCC found that the variations over the 20<sup>th</sup> Century can only be understood by taking all factors, both natural and human, into account. The IPCC concluded that the dominant influences on climate change in the early part of the 20<sup>th</sup> Century were likely to be a small increase in solar output and a decrease in average volcanic activity. However, such natural factors cannot explain the warming in the latter half of the 20<sup>th</sup> Century. The report also pointed out that natural factors on their own would have actually produced an overall drop in global average temperatures.

The government accepts the scientific evidence on the risks of climate change and we are committed to finding measures to reduce emissions and to adapt to the impacts. The government's climate change work programmes have three main objectives:

- to develop long-term solutions to climate change issues;
- to take short-term measures to reduce greenhouse gas emissions that are consistent with long-term approaches as we transition to a way of life that reduces our greenhouse gas emissions and secures a prosperous future; and
- to adapt to the impacts of climate change.

We are now considering a wide range of policy responses to climate change, including transport policies, methods to encourage renewable energy and energy efficiency, mechanisms to ensure appropriate investment decisions are made on large energy developments, and approaches for reducing emissions in the land management sector. More information on the climate change policy work programmes can be found at: <http://www.climatechange.govt.nz>

I appreciate your support for New Zealand's emission reduction initiatives and as such have attached a list of existing government initiatives with climate change benefits, which may be of interest to you. You can also access this on-line at: <http://www.climatechange.govt.nz/policy-initiatives/government-initiatives.html>

As you recognise in your letter, actions that we are taking also have many significant co-benefits beyond adaptation to climate change. These include greater agricultural and energy efficiency, reduced soil erosion, and greater resilience to flood and storms.

I trust that you are reassured that we are acting on the best scientific advice available and I thank you for your strong interest in this important area.

Yours sincerely

David Parker  
**MINISTER RESPONSIBLE FOR CLIMATE CHANGE ISSUES**

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From: S9(2)  
To: Warren Gray  
Subject: Re: CC hotspots vs. observations  
Date: Thursday, 10 April 2008 5:48:00 PM

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A web link where you can get the pdf:

<http://www.climate-science.gov/Library/sap/sap1-1/finalreport/default.htm>

Sam

>>> S9(2)(a) 10/04/2008 3:40 p.m. >>>

Hi Warren:

Sigh... this is somewhat related to Lindzen's (largely discredited) iris hypothesis. Not a lot of time right now, but see attached paper from Roy Spencer et al, and the detection/attribution chapter from IPCC...

S9  
(2)

S9(2)(a)

S9(2)(a)

[Redacted]

[Redacted]

>>>

From: Warren Gray <warren.gray@mfe.govt.nz>  
To: "S9(2)(a)" <[Redacted]>  
CC: Vera Power <Vera.Power@mfe.govt.nz>  
Date: 10/04/2008 3:04 p.m.  
Subject: CC hotspots vs. observations

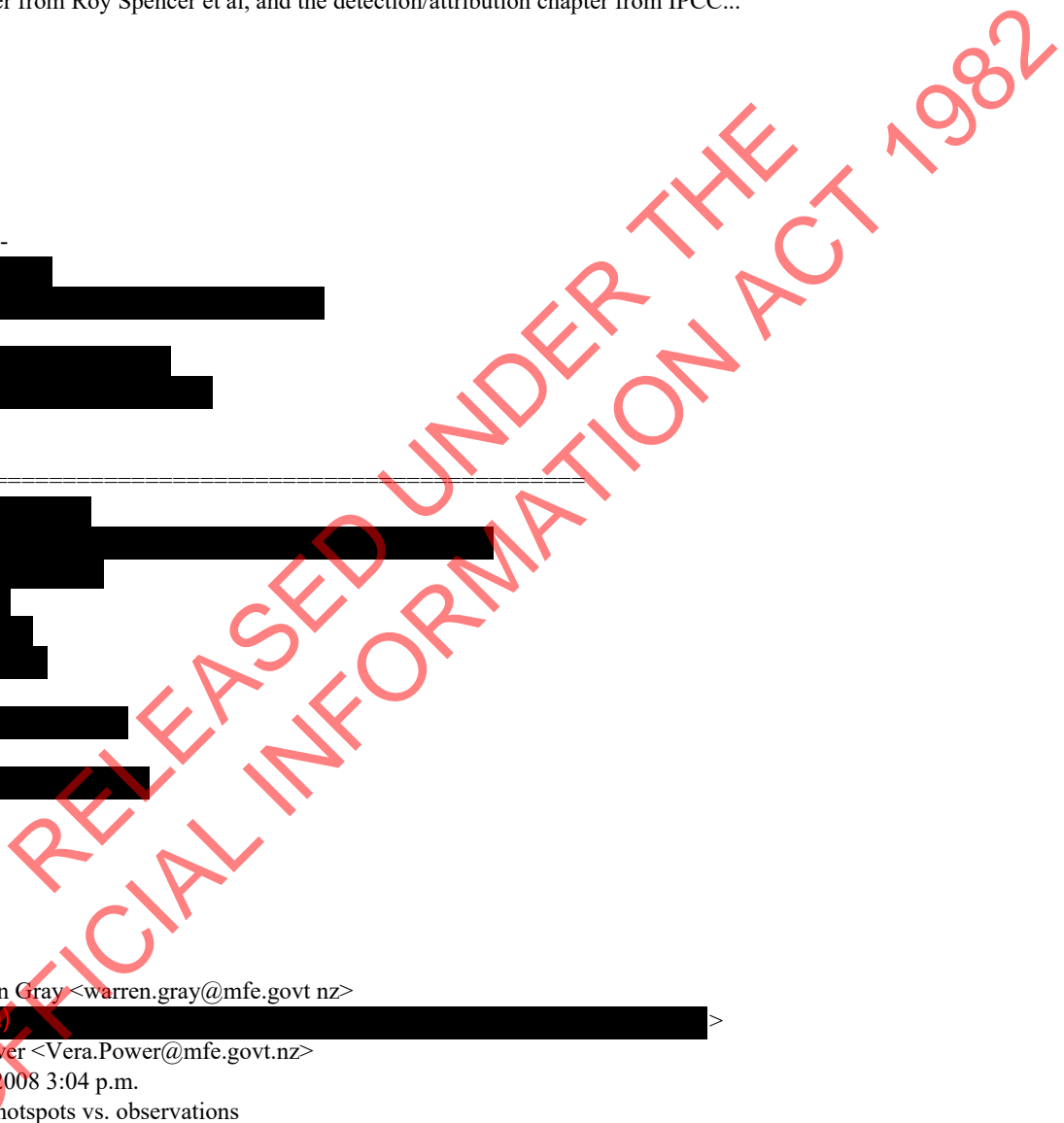
Hi Gents

I have been asked to follow-up on the article below

[http://www.nbr.co.nz/home/column\\_article.asp?id=21153&cid=39&cname=NBR+Comment](http://www.nbr.co.nz/home/column_article.asp?id=21153&cid=39&cname=NBR+Comment)

And assess the issues!

It appears that the expected vertical signature of anthropogenic CC is not matched by the currently observed structure



See also

<http://scienceandpublicpolicy.org/images/stories/papers/monckton/whatgreenhouse/moncktongreenhousewarming.pdf>

What do you guys think?

Rgds W

Dr Warren Gray  
Senior Policy Adviser - Climate Change Science  
Reporting and Communications Group  
Ministry for the Environment  
23 Kate Sheppard Place  
P.O. Box 10362  
Wellington

ph: 04 439 7731

S9(2)(a)

New Zealand is hosting World Environment  
Day on 5 June 2008.

The Ministry for the Environment is proud  
to be the lead agency coordinating  
this international event.

MORE INFO: Call 0800 WED 2008 or  
email [WED@mfe.govt.nz](mailto:WED@mfe.govt.nz)

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**From:** S9(2)(a)  
**To:** [Directorate - Communications](#)  
**Date:** Thursday, 1 July 2010 12:34:14 PM

"Climate change sceptic Lord Christopher Monckton discusses New Zealand's implementation of the Emissions Trading Scheme. Monckton comments 'this is the end of New Zealand as a prosperous Western nation and is the first step towards Communist misery, poverty, disease and death'."

**From:** Mediaportal [mailto:Mediaportal@mediamonitors.co.nz]  
**Sent:** Thursday, 1 July 2010 12:32 p.m.  
**To:** S9(2)(a)  
**Subject:** Mediaportal broadcast summary: NewsTalk ZB (Auckland) (Auckland), Leighton Smith, 01-Jul-2010 09:35AM

### NewsTalk ZB (Auckland), Auckland

Leighton Smith: 01 July 2010 09:35AM

Item ID:  
W00039558627  
ASR: NZD  
20,605  
Duration: 10  
mins 59 secs

Audience:  
**Male 16+:** n/a  
**Female 16+:**  
n/a  
**All People:** n/a



Compere: Leighton Smith

Climate change sceptic Lord Christopher Monckton discusses New Zealand's implementation of the Emissions Trading Scheme. Monckton comments 'this is the end of New Zealand as a prosperous Western nation and is the first step towards Communist misery, poverty, disease and death'. Monckton says that he does not trust anybody who considers implementing an ETS. Monckton says that if an ETS is introduced 'as an irritant' it will not benefit the climate, but if it is made 'tough enough to work' it will ruin a country's economy. Monckton says that the EU sees an ETS 'as an excuse for expanding the centralised control'. Monckton says that businesses which depend on energy will move to Australia, China or Indonesia as long as the country keeps the ETS. Monckton says that he 'played a small part in bringing Rudd down', referring to his tour of Australia and open criticism of recently deposed Australian Prime Minister Kevin Rudd, who had sought to bring in an ETS in that country.

#### Interviewee

Lord Christopher Monckton, climate change sceptic.

#### Mention

Kevin Rudd, Malcolm Turnbull, Tony Abbott.

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**From:** [Meredith Davis](#)  
**To:** [Rachel Ward](#)  
**Subject:** oh noes!  
**Date:** Tuesday, 26 February 2013 4:10:24 PM  
**Attachments:** [image001.png](#)

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**Climate sceptic Lord Christopher Monckton** will be **returning to NZ** for a nationwide tour in April. Described as “*extremely entertaining*” in his publicity blurb, Monckton believes a doubling of CO2 concentration in the atmosphere will be harmless. Recently the former political advisor gained publicity for gate crashing a climate change conference where he posed as a delegate from Myanmar to argue there had been no global warming. We urge readers of *NZ Energy & Environment Business Alert* to *Google* Monckton and *Sasha Baron Cohen* for a real treat

**Meredith Davis – Policy Analyst, International Climate and Environment**

Ministry for the Environment – Manatu Mo Te Taiao

s 9(2)(a) Website: [www.mfe.govt.nz](http://www.mfe.govt.nz)

23 Kate Sheppard Place, PO Box 10362, Wellington 6143



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# Status Report

Minister for Climate Change Issues

Week beginning 1 April 2013

No Status Meeting



Date \_\_\_\_\_

Seen by Hon Tim Groser  
**Minister for Climate Change Issues**

Date \_\_\_\_\_

Seen by Hon Simon Bridges  
**Associate Minister for Climate Change Issues**

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#### 4. Other issues that you should know about this week

##### 4.1 Lord Christopher Monckton Speaking Tour: 1-26 April

Lord Monckton is a well-known climate change 'skeptic' who has often been quoted in the media. He will be in New Zealand on a speaking tour organised by the group Climate Realists, from 1-26 April. There are more than 20 presentations scheduled, mostly at small regional venues.

Last time he was here, in 2010, his presentations did not attract much attention. However, on this trip there is a risk that media will report his claims that climate change is not occurring and that Government policies are misguided or even malicious. He is currently in Australia, where at a recent talk it was reported that he believed global warming was "a scam to keep the focus away from Agenda 21; a United Nations action plan which he says aims to depopulate the nation, impose a world government and usher in the return of Communism."

Several MPs have become aware of Lord Monckton's visit and via your office, will receive background information.

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# Document 6

**From:** [Geoff Davies](#)  
**To:** [Matt Paterson](#); [Dan Zwartz](#)  
**Subject:** RE: CC Status Report item on Monckton  
**Date:** Wednesday, 3 April 2013 11:08:02 AM

---

Thanks Matt

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**From:** Matt Paterson [mailto:xxxx.xxxxxxxx@xxxxxxxxxx.xxxx.xx]  
**Sent:** Wednesday, 3 April 2013 11:01 a.m.  
**To:** Dan Zwartz; Geoff Davies  
**Subject:** RE: CC Status Report item on Monckton

Hi all,

No need for anything specifically from MfE. I just have a quick chat with each office when it comes up.

Cheers

Matt

Sent from my iPhone

-----Original Message-----

**From:** Dan Zwartz [[xxx.xxxxxx@xxx.xxxx.nz](mailto:xxx.xxxxxx@xxx.xxxx.nz)]  
**Sent:** Wednesday, April 03, 2013 10:54 AM New Zealand Standard Time  
**To:** Matt Paterson; Geoff Davies  
**Subject:** RE: CC Status Report item on Monckton

Thanks, Geoff.

Matt,

can you please let us know if the Minister's office is expecting something from our team on this topic? So far there hasn't been much coverage: a [press release](#) that wasn't taken up by any of the news media, and a [piece](#) on the Herald website yesterday quoting a few NZ climate scientists saying that Monckton has no credibility and should be ignored.

Cheers,

Dan

---

**From:** Geoff Davies  
**Sent:** Wednesday, 3 April 2013 9:56 a.m.  
**To:** Dan Zwartz  
**Cc:** s 9(2)(a)  
**Subject:** FW: CC Status Report item on Monckton

Dan, Matt Paterson added the reference to MPs approaching the Minister's office at the Status meeting last Wednesday. Suggest you ask him what's required.

Rgds Geoff

Geoff Davies

Executive Relations

7574

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**From:** Fiona Montgomery  
**Sent:** Wednesday, 3 April 2013 9:34 a.m.  
**To:** Geoff Davies  
**Subject:** FW: CC Status Report item on Monckton

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**From:** Dan Zwartz  
**Sent:** Wednesday, 3 April 2013 9:16 a.m.  
**To:** s 9(2)(a)  
**Cc:** Matthew Smith  
**Subject:** CC Status Report item on Monckton

Hi Fiona,

Last week we prepared an item for the [CC Status Report](#), which was included as item 4.1 (page 4), "Lord Christopher Monckton Speaking Tour". A sentence was added after the last time Julie and I saw the draft, "Several MPs have become aware of Lord Monckton's visit and via your office, will receive background information."

Do you know if we are being asked to provide background information on Lord Monckton's tour to the Minister's office? Sonia W is away this week, so it's harder to track the chain of responsibility.

Thanks,  
Dan

--

Dr Dan Zwartz  
Senior Analyst, Climate Change Analysis  
Ministry for the Environment - Manatu Mo Te Taiao

ph: 04 439 7542

[.@.](#)

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**From:** [Nancy Golubiewski](#)  
**To:** [Team - LUCAS](#); [Team - Climate Change Analysis](#); [Team - Climate Strategy](#); [Team - Climate Markets](#)  
**Subject:** climate skeptic tour  
**Date:** Friday, 19 April 2013 9:28:30 AM

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In case you're interested AND you didn't catch Monckton's talk on Wednesday night or this interview last night on Nights with Bryan Crump, the link is below. Interesting for any number of reasons: not only for how to get a message across with a specific interpretation of data, but also for how a media interview can go down. The ETS also features. There's been other media coverage of course, including interesting assessments on sciblogs, but this was particularly interesting for the audible level of irritation...

<http://www.radionz.co.nz/national/programmes/nights>

### [Calm On Climate](#)

Lord Christopher Monckton and his views on the state of the world's climate and why he believes that the current political responses to the harm of a 'climate changed by carbon dioxide due to human interactions' are in fact 'injurious to society and a functioning economy. (25'55")

Download: [Ogg Vorbis](#) [MP3](#) | [Embed](#)

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**From:** [Dan Zwartz](#)  
**To:** [Julie Knauf](#)  
**Subject:** Briefing Note on Developments in Climate Change Science  
**Date:** Monday, 20 May 2013 11:26:10 AM

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Hi Julie,

As discussed, notes on the scope of the upcoming briefing note, for passing to Sonia and Peter for comment.

Dan

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## Scope of Briefing Note on Developments in Climate Change Science

Minister Groser's office has requested a briefing note to be delivered in early June, providing an update on climate change science and the implications for New Zealand.

The note will be prepared by the Climate Change Analysis team, with Dan Zwartz taking the lead. It will likely be given to Gerald Rys (Science Policy Manager, MPI) for review, and also to MfE's Climate Strategy team.

### Context

- The request is at least partly in response to the recent speaking tour of NZ by climate 'skeptic' Christopher Monckton, and a recent article in *The Economist* regarding estimates of climate sensitivity.
- The office of the Prime Minister's Chief Science Advisor is also preparing a briefing on climate change science, to be completed later this year. The Minister's office is aware of this, but would like something sooner.
- The last MfE briefing of a similar nature was a 21 page summary of climate change science in December 2011: [SM\\_BN\\_Three\\_Three\\_000001112953.docx](#)
- The Intergovernmental Panel on Climate Change (IPCC) 5<sup>th</sup> Assessment Report on *Climate Change: The Physical Science Basis* will be released in September 2013, and MfE officials have reviewed the most recent draft of this.

### Scope

Based on initial discussion with the Private Secretary for Climate Change Issues, the briefing note will only include points of science, and will explicitly not address implications for the policy response. The Minister may use it as background information during the discussions around setting an emissions target. We have been asked to make use of appropriate graphs and diagrams. We expect the briefing note to cover:

- Trends in global greenhouse gas emissions and atmospheric concentrations.
- The record of global surface temperature, including the significance of the 'hiatus' of the last ~15 years (the fact, often cited by climate 'skeptics', that global surface temperature has warmed very little since 1998, compared to the rapid warming in the previous decades).
- Recent developments in the understanding and reporting of climate sensitivity (how much the world warms in response to changing greenhouse gases in the atmosphere)
- Recent observations of sea level rise
- Changes in the amount of Arctic sea ice
- The possibility of abrupt climate change or 'tipping points'
- Any changes regarding the urgency of action on climate changes, in the light of the previous two points.
- Developments in the ability to assign likelihood to future climate scenarios.
- A summary of the likely projected impacts for New Zealand.

## Man-Made Global Warming

M Davison. 17 May 2018

- *“The fact that an opinion is widely held is no evidence whatever that it is not utterly absurd; indeed in view of the silliness of mankind a widespread belief is more likely to be foolish than sensible.”* -British philosopher Bertrand Russell
- In New Zealand terms it is akin to sheep following each other towards and over the cliff.
- Global Warming is “a struggle in which all standards of truth, morality and science have long been sacrificed to the desired ends”- Antony Willie
- “Freedom is never more than a generation away from extinction. We did not pass it on to our children in the bloodstream. It must be fought for, protected, and handed on for them to do the same.” Ronald Reagan
- “The accumulation of all powers, legislative, executive, and judiciary, in the same hands, whether of one, a few, or many and whether hereditary, self-appointed, or elective, may justly be pronounced the very definition of tyranny.” James Madison constitutional architect.
- “Socialism is a philosophy of failure, the greed of ignorance, and the gospel of envy. Its inherent virtue is the equal sharing of misery.” Winston Churchill.

See UN IPCC new rules - paragraph 3, page 13.

***This paper is not about pollution which is a different issue. Very few people do not support cleaning up pollution. We don't need fly ash, oxides of nitrogen and sulphur or smog forming volatile hydrocarbons. But CO2 is not a pollutant, and there is no reason to control it.***

***For half a century now, conservatives have been mainly losing the political and cultural wars with the left because they do not understand what their adversaries are up to.***

***Global Warming is but a part of this horrendous program to destroy democracy and freedom and run the world with unelected socialist bureaucrats, unbelievable corruption and deceit. Most people have no idea what is going on and leave it to mainstream media to tell them. Unfortunately mainstream media is in the other camp. It is time for many more of us to take the trouble to find out what is really going on. Then decide what to do about it. Letting the system roll on would not be a happy outcome. Whenever nations have gone down the path being prescribed it has led to disaster.***

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## **1. The purpose of this paper**

The globe is not warming any more than it has for centuries and contrary to widespread belief. Furthermore, increased carbon dioxide (CO<sub>2</sub>) emitted from mankind’s activities is not contributing to, or causing calamitous climatic events. Man-made, or ‘Anthropogenic’ global warming (AGW) is simply not occurring. Furthermore it is not agreed that the increasing CO<sub>2</sub> in the atmosphere is mainly from human activities anyway. Human activities only contribute ~3% of the CO<sub>2</sub> going into the atmosphere.

Global warming is a scam and a hoax. It is being used to generate fear and panic. Those behind the movement use it to control people's beliefs and for financial gain.

An uninformed and unquestioning mass of the world’s population has fallen victim to significant propaganda, causing widespread misconception. Global warming and climatic change campaigners, largely the United Nations’ Independent Panel for Climate Change (IPCC), have mounted one of the

most well funded, massive propaganda campaigns in history – and with a very compliant media on their side.

However, in informed countries, there is a ground swell of global warming refute and surging numbers of climate realists. In the USA, the lies of Al Gore, who netted hundreds of millions of dollars advocating global warming, have been revealed, and the Gallup Poll, a widely recognised barometer of American opinion, shows environmental concerns about global warming are now much lower than they were 25 years ago. Furthermore, currently, over 65% of the American public do not trust the media to report accurately. The warming skeptics (realists) are slowly and finally starting to make progress with large sectors of the world finally getting to grips with the reality of what has been going on. Britain's new government abolished its Dept of Energy and Climate Change on 14 July 2016. India will not sign the Paris Accord. China will do what she wants to, which will be nothing except in the meantime, or for as long as China likes, they will build 100 s of new coal fired electric generating plants. Trump, his new Vice President nominee, and most of the republican party are climate skeptics. Trump says they will stop paying IPCC etc. (Estimated to be \$24b / yr) and pull out of the Paris accord.

This paper collates information to show how the current levels of local widespread belief in manmade global warming have come about, and provides clear evidence that the existing political agendas in New Zealand and elsewhere should cease. This paper is not anti cleaning up pollution which is another issue.

## 2. Facts – how much the globe has really 'warmed' in the last 25 years

Global warming is not happening to any greater extent than it has for hundreds of years and has not occurred at all in the last 18 years prior to the recent el nino effect. This el nino effect, which has passed now, is correcting to a cooling situation

Remote Sensing Systems (RSS) is a world leader in processing and analysing microwave data collected by satellite microwave sensors. The RSS mission is to provide research-quality geophysical data, including temperature data, to the global scientific community.

The RSS graph below dated November 2014 charts global mean temperature change. It clearly shows the consistency of those 18+ years. - 18 years of no global warming. 20 Years ago it was predicted that by now the world would be irrevocably warming up by 5-10 degrees and the sea levels would be a meter or more above what they are now. So much for the, effectively useless, computer models.





### 3. Carbon dioxide

**Physics and Chemistry don't change they were the same billions of years ago. It just takes Homo sapiens a while to work it out.**

CO<sub>2</sub> is a colorless, odorless, naturally occurring gas. It is the basis of most forms of life on the planet as it is necessary for photosynthesis, which creates plants which in turn nourish animals. It is currently naturally in the earth's atmosphere as 0.04 % of 'air' – 400 parts per million (ppm). CO<sub>2</sub> has increased from 350ppm to 400ppm over the last ~50 years, but this is inconsequential given it has been as high as 7000ppm of the earth's air in the past with similar temperatures as today.

Importantly, CO<sub>2</sub> is produced by the decomposition of plant matter, and released from the oceans and other natural processes including volcanoes. A minor amount is produced by man – man-made CO<sub>2</sub> emissions are about ~3% of all sources of CO<sub>2</sub> going into the atmosphere (please see Appendix B). **So 97% of all CO<sub>2</sub> is naturally produced and if we were to halve CO<sub>2</sub> emissions at crippling costs it would only reduce CO<sub>2</sub> by 1.5%**

Historically and for millions of years CO<sub>2</sub> levels have been over 3000ppm on this planet and sometimes around 7000ppm. Ice ages occurred during these times, as did normal temperatures. The much higher levels of CO<sub>2</sub> had no correlation to the planet's temperature – life kept evolving normally. According to IPCC, the more recent increase in CO<sub>2</sub> in the atmosphere (of just ~50ppm) will dramatically warm the planet with catastrophic climatic implications. The IPCC claims that most of the warming is caused by increases in CO<sub>2</sub> from burning of fossil fuels. Therefore, CO<sub>2</sub> emissions must be reduced – and at huge cost. This is flawed thinking.

Increasing CO<sub>2</sub> by just 50ppm, or even doubling it, would not make any significant difference to anything on this planet, other than making plants grow faster. Dr Patrick Moore, Co-founder of Greenpeace, who is now a global warming realist says (2013) *"the optimal level of CO<sub>2</sub> for plant growth is 1600 ppm, four times higher than the level today."* 400ppm is a starvation diet for plants and they die under 150ppm. Moore (2014) also says *"This is why greenhouse growers purposely inject the CO<sub>2</sub>-rich exhaust from their gas and wood-fired heaters into the greenhouse, resulting in a 40-80 per cent increase in growth. The idea that it would be catastrophic if CO<sub>2</sub> were to increase... is preposterous."*

Prominent physicist Freeman Dyson (Dyson 2015) a world renowned Physicist ex Princetown : ‘It would be crazy to try to reduce CO2’ – ‘Earth is growing greener as a result of carbon dioxide’ - ‘I like carbon dioxide, it’s very good for plants. It’s good for the vegetation, the farms, essentially carbon dioxide is vital for food production, vital for wildlife.’ (10% more global greening shown on 2017 satellite pictures over the last 20 years)

Ian Plimmer an Australian Geologist and professor emeritus at the University of Melbourne, (See Plimmer,) states –

- “The volcanic eruption in Iceland in just 4 days negated every single effort you have made in the last five years to control CO2 emissions on our planet – all of you.
- There are about 200 active volcanoes on the planet spewing out this Crud at any one time EVERY DAY
- Mt Pinatubo in 1991 spewed out more greenhouse gases into the atmosphere than the entire human race has emitted in all its years on earth.
- The bush fire season across western USA and Australia alone will negate human’s efforts to reduce carbon in our world for the next 2-3 years. And it happens every year
- We don’t hear about “Global Warming” (It is now “Climate Change”)
- Emission Trading Schemes achieve absolutely nothing except make you poorer and they wont stop volcanoes erupting, that’s for sure.”

Historical graphs of CO2 : Temperature (Berner & Kothavala, 2001) show:

DATE	INITIAL CO2 LEVEL	CHANGE IN CO2 LEVEL	TEMPERATURE CHANGE
480m years ago	7000 ppm	-3000 ppm – to 4000 ppm	No change at 22 deg C
450m years ago	4000 ppm	+500 ppm – to 4500 ppm	22 deg C to 12 deg C

It is not conclusive that increased CO2 in the atmosphere is caused by man – it is many times more likely to be caused by other natural factors.

Atmospheric scientist Murray Salby (2011) says of increasing atmospheric CO2 that *“It is ten times as likely that atmospheric CO2 is coming from natural sources, namely the warming ocean surface, as it is likely that it is coming from anthropogenic (man-made) sources. The changes in CO2 track ocean surface temperature, not global carbon emissions. Burning fossil fuels is not increasing atmospheric CO2. Recovery from the Little Ice Age, driven by the sun, is causing the oceans to release CO2. It is temperature driving CO2 release, not the other way around. Just as it has always been.”* Salby has since been dismissed from Sydney University, for making these statements! The statements are accurate.

There is no direct link between man-made fossil fuel emissions and global temperature on two counts. Firstly, it is not agreed that increased CO2 is a consequence of man-made fossil fuel emissions and secondly, there is not agreement that CO2 warms the globe to any significant amount anyway.

Australia introduced a carbon tax to reduce CO<sub>2</sub> emissions, which was repealed by the Abbott government. This effort to reduce carbon emissions saw Australians pay a whopping \$24.47 billion to reduce global warming (theoretically) – by just 0.004% (Robson, 2013). The justification for the Carbon Tax was to reduce carbon emissions to stop global warming. Even if the world was warming up, the effects of the Carbon Tax were virtually nil. The New Zealand Emission Trading Scheme should be disbanded or the country will waste money similarly. It is likely the new NZ government will spend over \$10 billion on climate change in NZ over the next 3 years. The returns on which will be zero.

**Reducing CO<sub>2</sub> emissions requires huge cost. Currently the amount of money being spent globally, supposedly to reduce ‘man’s carbon footprint’, is in the trillions of dollars per year (Bell, 2015). Yet ridiculously, it has not been scientifically proven that increased CO<sub>2</sub> in the atmosphere will cause either significant global warming or climatic disasters.**

US Climatologist Dr Judith Curry, Professor and former Chair of the School of Earth and Atmospheric Sciences at the Georgia Institute of technology, (2015) says *“even if the USA is successful in meeting 80% reductions of CO<sub>2</sub> emissions by 2050 this is going to reduce warming by one tenth of a degree centigrade. It is not going to do anything.”* Curry (2015) in her address to congress, states *“I am concerned that the proposed USA Intended Nationally Determined Contribution to the UN Framework Convention on Climate Change, to address the perceived problems of climate change will do essentially nothing to change the climate, and the USA and other nations will remain vulnerable to climate surprises and extreme weather events.”*

**Because of President Trump’s position on these matters, we now finally in April 2017 have a PROPERLY peer reviewed paper showing the relationship between CO<sub>2</sub> and climate. But it is the other way round to the warmists view. It shows there is no significant relationship between global warming /climatic events and CO<sub>2</sub>. A properly peer reviewed paper showing the warmist way round does not exist because it does not happen.**

#### Official Press Release on Second Edition

*On the Existence of a “Tropical Hot Spot” & The Validity of EPA’s CO<sub>2</sub> Endangerment Finding*  
James P. Wallace III, John R. Christy, and Joseph S. d’Aleo  
Abridged Research Report  
[Second Edition](#), April 2017

“A just released peer reviewed climate science Research Report has proven that it is all but certain that EPA’s basic claim that CO<sub>2</sub> is a pollutant is totally false. All research was done pro bono.

This research failed to find that the steadily rising atmospheric CO<sub>2</sub> concentrations have had a statistically significant impact on any of the 14 temperature data sets that were analyzed. The tropospheric and surface temperature data measurements that were analyzed were taken by many different entities using balloons, satellites, buoys and various land based techniques. Needless to say, if regardless of data source, the analysis results are the same, the analysis findings should be considered highly credible.

The analysis results invalidate EPA’s CO<sub>2</sub> Endangerment Finding, including the climate models that EPA has claimed can be relied upon for policy analysis purposes. Moreover, these research results

clearly demonstrate that once the solar, volcanic and oceanic activity, that is, natural factor, impacts on temperature data are accounted for, there is no “record setting” warming to be concerned about. In fact, there is no Natural Factor Adjusted Warming at all. The authors of this report claim that there is no published, peer reviewed, statistically valid proof that past increases in atmospheric CO<sub>2</sub> concentrations have caused the officially reported rising, even claimed record setting temperatures. And, EPA’s climate models fail to meet this test.”

In summary, enormous sums of money have been used to reduce a gas which is 97% produced naturally by the planet itself, to supposedly reduce global warming and related climatic disasters. Mankind’s effort to control a non-problem with a non-solution is ridiculously nonsensical. A lack of questioning and understanding of the real science is widespread.

#### 4. Climate change science – the inconvenient truth for IPCC

The IPCC is the primary proponent of dramatic global warming yet its argument is fundamentally flawed because of the way it selectively uses science and manipulates data to support its views. The particularly concerning areas include:

- the lack of consideration of views opposing its own (true science considers opposing views)
- the nature of IPCC’s existence is a conflict of interest
- manipulation of data
- political funding biases

There is no question about climate change. It changes all the time and has done so naturally for centuries. This is not however, reflected in the IPCC’s selective use of ‘science’. It’s manipulation of research data and opinion has fueled an extremely biased view that does not reflect the planet’s actual climate.

True science is empirical and replicated – it constantly probes, doubts, investigates, examines, and welcomes dissent. Yet the IPCC did not invite one single person who did not agree with its pre-decided outcome for major reports to review or comment on them. IPCC has published five reports since 1990, the latest being No 5 in 2013. For this No 5 report, it was claimed that a 97% consensus – that global warming is both occurring and man-made – exists, in spite of overwhelming evidence of nil, or nominal warming. Of 11,944 papers considered, only 41 of them actually claim global warming is caused by man-made CO<sub>2</sub> (that’s an alarming or 0.3 of 1%). Those that disproved global warming were dismissed. Lord Christopher Monckton (2013) of the UK’s Science and Public Policy Institute has released an exhaustive statistical research paper that concludes that scientific consensus affirming man-made global warming is just 0.3%, not the 97% claimed by the global warming whiners.

Dr. Arthur Robinson, Robinson Arthur 2014, is a distinguished chemist and cofounder/president of the Oregon Institute of Science and Medicine (OISM), was honored in Las Vegas at the Ninth International Conference on Climate Change (ICCC9) with the Voice of Reason Award presented by The Heartland Institute. In 1998, Dr. Arthur Robinson was one of the principal organizers of the Petition Project, an effort to demonstrate that the claimed “consensus” of science in favor of the belief that humans are causing catastrophic global warming does not exist. The petition reads, in part:

1. The proposed limits on greenhouse gases would harm the environment, hinder the advance of science and technology, and damage the health and welfare of mankind.
2. There is no convincing scientific evidence that human release of carbon dioxide, methane, or other greenhouse gasses is causing or will, in the foreseeable future, cause catastrophic heating of the Earth's atmosphere and disruption of the Earth's climate.

In two campaigns (1998-1999 and 2007) the Petition Project gathered signatures from more than 31,000 scientists, physicians, and engineers (including 9,029 with Ph.D.s) who reject global warming alarmism and the draconian measures claimed to be necessary for the entire planet.

The IPCC is a conflicted institution pushing a mandate that lacks true scientific rigor. Moore (2013) says; ***“by its constitution, the IPCC has a hopeless conflict of interest. Its mandate is to consider only the human causes of global warming, not the many natural causes changing the climate for billions of years. If the IPCC did not find humans were the cause of warming, there would be no need for the IPCC under its present mandate. To survive, it must find on the side of the apocalypse. The IPCC should either have its mandate expanded to include all causes of climate change, or it should be dismantled.”***

For about 30 years, the IPCC's climate predictions have been hopelessly inaccurate. In addition to not welcoming nor considering dissenting opinions, there has been an increasing and continuous legacy that data has been manipulated.

There are countless examples of data manipulation (please see Appendix C). The levels of deception stretch across all the data involved. In any developed country, to seek public funding by tampering with data would see the culprits jailed. As a comparison, consider an IPO prospectus seeking billions of dollars from the public without verifiable scientific information in it – let alone manipulated data.

As just one example, suspicious data records from Paraguay were found to have been changed from a downward temperature trend to an upward one (from a decline of 1 deg C to an increase of 1.5 deg C). Not only for three initial weather stations investigated but subsequently for a number of other weather stations in the area. Worse still they then used these upward temperature records to apply to tracks of the globe where no records have been kept.

In relation to this, Christopher Booker Snr., (English journalist and author.) In 1961, he was one of the founders of the magazine Private Eye, and has contributed to it since then. He has been a columnist for The Sunday Telegraph since 1990.) (2015) states:

*“When future generations look back on the global-warming scare of the past 30 years, nothing will shock them more than the extent to which the official temperature records – on which the entire panic ultimately rested – were systematically ‘adjusted’ to show the earth as having warmed much more than the actual data justified. Two weeks ago, under the headline ‘How we are being tricked by*

*flawed data on global warming', I wrote about Paul Homewood, who, on his Notalotofpeopleknowthat blog, had checked the published temperature graphs for three weather stations in Paraguay against the temperatures that had originally been recorded. In each instance, the actual trend of 60 years of data had been dramatically reversed, so that a cooling trend was changed to one that showed a marked warming."*

Watts Up With That. - Watts et al researched weather station data in the USA "An updated evaluation of US Historical Climate Network as it relates to station biases." Supplement to Watts et al 2012. They assessed 779 US weather stations on appropriate siting criteria and found that rural non airport stations with compliant siting situations and Maximum Minimum Temperature System had a decadal warming of .032 Deg C where noncompliant and adjusted stations had a decadal warming of .300 Deg C. All adjustments were upwards by NOAA. (Well sited stations adjusted upwards to match poor sited stations which were also adjusted upwards. ) Poor sited stations were near airports, urban or semi urban based, where aircraft, housing and roads warm up the air. On which basis the warming is actually about 1/10th of final adjusted figures.

A search of Climate Depot "Weather Stations" brings up 11 similar examples. The incidence of data manipulation is so rife that USA Republicans are now claiming they will investigate (climate related) data tampering by NASA.

Needless to say, numerous reputable commentators thwart the accuracy and relevance of the 'science' claimed by IPCC:

- IPCC reviewer, Dr Don Easterbrook, (Easterbrook D) on IPCC report No 5 says (2013) *"it isn't science at all – it's dogmatic, political propaganda – the IPCC report must be considered the grossest misrepresentation of data ever published"*
- Exposing IPCC computer models, forecasting experts Green and Armstrong (2014) state *"our audit of the procedure used to create IPCC scenarios found that they violated 72 of 89 relevant forecasting principles"*
- *"Premeditated murder of science"* is how Climatologist Dr Tim Ball (Ball T, 2013) describes the IPCC's 95% certainty that CO2 is causing serious global warming and climatic disasters
- Climate Depot's Mark Morano (2010) states 1000 of the so-called convinced man-made global warming scientists were in fact then skeptics – and that was five years ago!
- Curry (2014) says; *"as temperatures have declined, the climate models have failed to predict this decline, and so the IPCC has gained confidence in (its predictions of) catastrophic warming. In other words the more they are wrong about nearly everything, the more confident IPCC officials have become that they are right about nearly everything"*

However those that dissent or disprove global warming find it difficult to have their view aired. Subsequently, even despite the significant lack of IPCC integrity, a large proportion of people and media continue to believe dramatic global warming is occurring. Many media editors are reluctant to publish skeptical views. The IPCC like to make it heresy to question their message – they 'shoot the

messengers' and are embarking on a program to personally discredit, and if possible have funding cut off for, any scientist disagreeing with their fabricated consensus and more recently they had asked Obama to prosecute and jail "deniers". These are desperate measures.

It is important to note the IPCC gets hundreds of times more funding from weak misguided government sources, than any climate realists. The direct costs excluding subsidies for alternative energy projects to the US government is calculated to be spending \$22 billion USD per annum (\$42,800 a minute), for scientists to do endless research on man-made global warming. Natural causes of global warming, far more significant than man-made effects on global temperature changes as previously noted, are not included. According to Forbes columnist Larry Bell (2015) the ripple effect of global warming initiatives actually costs Americans \$1.75 trillion every year – three times larger than the entire USA federal budget deficit.

There is a tangled web of political activity and bias at play distorting the real truth. Paul Driessen (2010), a senior policy advisor with the Committee for 'A Constructive Tomorrow' says: *"The climate change scientist – government – environmental – industrial climate complex is well funded and powerful. But it is also arrogant and dishonest and its assertions are so far removed from reality that they can no longer survive scrutiny and challenge. The time has come to end its attempt to control our lives, livelihoods, liberties, living standards and life spans."*

Local politicians are unable to provide true scientific verification that CO2 can cause drastic global warming or severe climatic problems – because it is impossible for them to do so. They will refer to 'consensus science,' which as discussed above, is not at all credible. The political agenda is based on fabricated information that does not stand scrutiny. **It is unbelievable that politicians do not demand unquestionable scientific evidence before imposing huge crippling taxes that do nothing but provide jobs for bureaucrats and make us poorer.** Real consideration of the above points effectively shoots the IPCC to pieces.



## 5. What's really going on with climatic events

There is currently no global warming, and calamitous climatic events are not increasing and are often doing the opposite of predictions. Recent fires on the USA are not abnormal in the long term statistics and likewise hurricane activity to date this year puts 2017 as number 5 in the long term statistics.

A summary of what's really going on with climatic events around the world:

**Ice** – The IPCC claim Antarctica's ice is melting, when in fact there is record ice in Antarctica. Antarctica sea ice recently hit a 35-year record high (National Snow and Ice Data Centre) and in January 2015 is 44.6% more than the 1981-2010 average. Ice in the Arctic has also been increasing in recent years (Swart et al 2015). Currently Arctic ice is reported to be up 22% on 2012 levels

**Snow** – Recently a world record 24hr snowfall of 100.8 inches in 18 hours occurred in Italy (www.weather.com; "Italy winter storm dumps impressive 24 hr snowfall"). The previous record was 75.8 inches in 24 hours. The USA has had hundreds of record low temperatures in the last few years (USA Today - 'Coldest Air In Decades', 2015).

Climate Depot's Mark Morano states (2013); *"Extreme weather is failing to follow 'global warming' predictions: Hurricanes, Tornadoes, Droughts, Floods - Wildfires, all see no trend or declining trends in the USA. Extreme weather is at or near historic lows."*

**Hurricanes** – In the USA, apart from recently, there were 3,264 Days without a Major (Cat 3 +) Hurricane Strike – 'Nearly 9 years... The last being Wilma in October, 2005' Recent Hurricanes in the USA still do not match 1933 in overall energy.

**Tornadoes** – The USA tornado count has plummeted to record low levels for three consecutive years.

**Droughts** – New research confirms human CO2 is not causing a global drought increase - 'Droughts in the USA are more frequent and more intense during COLDER periods' (Legates, 2014).

**Floods** – Professor Roger Pielke's paper titled 'Are US Floods Increasing? The Answer is Still No' (2011) shows flooding has not increased in the USA over records of 85 to 127 years (Hirsch & Ryberg, 2012). The world's ten deadliest floods all occurred before 1976. i.e. before the so called high man-made CO2 in the atmosphere (Hirsch & Ryberg, 2012).

**USA Heat waves** – The frequency of 90 deg (Fahrenheit) days in the USA has plummeted with three of the five mildest summers occurring since 2004 – USA temperatures (before tampering) have been declining for 90 years



**Wildfires** – 2014 was the quietest fire season of the decade according to data from the National Interagency Fire Centre and USA forest fires are nearing historic lows. Californian wild fires of Oct 2017 are not historically unusual and 1933 remains the worst year for many years.

**Sea levels** – Sea levels have not risen any faster than normal since levels have been recorded and actual sea levels are doing the opposite of IPCC model predictions. Globally, scientists with solid empirical-based backgrounds claim there are severe problems with many of the 2007 IPCC predictions. Namely, that many of the predictions are ‘flat-out false, based on the IPCC’s political agenda, or wildly inflated by failed climate models’. Houston and Dean (2011) state that the IPCC prediction of dangerously high acceleration of sea level increases is likely both a combination of invalid climate models and desired political outcomes. They discovered that the actual tidal gauge measurements over the last 80 years show sea level increases are decelerating, not accelerating and currently we can expect 100 - 200mm sea level rise over the next century. IPCC predictions have at times been in the meters.

**Temperature** – As demonstrated earlier, satellite data confirms that, apart from recent el nino effects, we have had ~20 years no warming. Post el nino seems to be putting the world into cooling mode. It is harder to tamper with satellite data and it should be used to measure global warming. For New Zealand a recent review of our temperature records reveals what many have thought for years in that NIWI have been playing with the numbers. Weather data station information has been adjusted and in some cases there is no record of what adjustments were made and seriously compromised data from two stations were not adjusted for Urban Heat effects. (being sited in the CBD of our largest cities.) See “A Reanalysis of Long Term Surface Air Temperature Trends in New Zealand” 2014 C.R. de Freitas et al. The reality of the paper is that if we take out the two compromised stations and assess rural only stations we get .2 degrees warming per century instead of figures of .91 degrees warming per century which NIWA claim. Or 1.0 degrees in the news media of 20 Oct 2017.

Furthermore Tasman Crop Met Report (Winepress Issue No 258 May 2016) reports on page 6 for Blenheim NZ. (- How could this be? We are supposed to have had the hottest year ever.)

Season	Long Term Av	15/16	14/15	13/14	12/13	11/12	34/35	74/75	89/90	80/81	97/98
Mean Temp	14.99	15.49	15.55	15.59	15.34	14.62	16.28	16.16	16.11	16.00	15.99
Rank 1930-2015		19 <sup>th</sup>	14 <sup>th</sup>	12 <sup>th</sup>	25 <sup>th</sup>	60 <sup>th</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>

It is probably fair to say that the extent of global warming is only the long term warming in the vicinity of 0.2 - 0.5 degrees C per century that has been happening for thousands of years. With all these examples in mind, it cannot be claimed that disastrous climatic events are caused by increased CO2 levels in the atmosphere and global warming. Overall there has been no warming recently and there are no facts to support the concept of dramatic global warming or increased climatic disasters.

## 6. The Real Agenda – Redistributing the world's wealth

The real agenda has been admitted by senior IPCC officials and it has nothing to do with climate. The UN wants to increase its power and wealth to have increasing control over people's lives. It is preplanned UN run socialism that is the end game. The climate issues are to frighten the populations of the world into committing huge funding to the UN. However, as this paper shows, CO2 causing run away global warming and climatic disasters is discredited and now the USA which was supposed to pay most of the money is not going to do so. The cards are finally starting to fall over.

It has, for decades, been the preplanned dramatic expansion of bureaucracy and totalitarianism enabling unelected officials in the UN, the EU, and in any independent state that can be conned into the scam, to control almost every aspect of people's lives. They don't like capitalism, they want a new world order and they say so.

IPCC, Working Group III, Co Chair, Ottmar Eden has admitted that international climate policy is not even about environmental protection, it is about *"how we redistribute the world's wealth"* (2010). Decades in the making, the IPCC is very close to succeeding in an irrevocable way. They want to destroy capitalism. The plan was to bolt it all together at the IPCC conference in Paris in December 2015 and have a new world order of the world committed to a crazy debilitating tax scheme that would be irrevocably agreed to, with UN bureaucrats ruling our lives with countless PC regulations. World wars have been caused by much lesser issues

CFACT reports from the big UN climate summit in Paris. President Obama and the UN were trying to declare what took place there as a big win. It wasn't. Not even close. In Paris CFACT successfully exposed key elements of the horrendous climate agreement the radicals tried, but failed, to foist upon the world. The CFACT team helped deliver their opponents a number of major setbacks including:

- International Tribunal of Climate Justice. Gone.
- Binding emissions reductions? Gone.
- Zero emissions? Out.
- Economy-crippling 1.5 degree C temperature mandate? Gone.
- Legally obligating nations to shell out \$100 billion per year to the Green Climate Fund? Gone.
- Paying developing countries for weather-related "loss and damage? Gone (at least for now).

The IPCC had to say it was a successful meeting regardless of the outcome. In fact, it all means very little but they will continue to pursue their agenda regardless. In the end when the world does not warm up and climatic disasters continue at a reduced, or normal levels, the scam only becomes more obvious, but at what cost in the meantime! Apart from financial cost it will be dramatic loss of freedom and democratic process. The bureaucrats involved are not elected and, before Brexit, 60%

of the laws enacted in the UK were made up by unelected bureaucrats in the EU. The UN wants to rule the world similarly and to a worse extent.

The man-made global warming project has been instigated into schools and universities and there are even entire courses available on the subject. (That don't consider that the world is not actually warming any more than it has for centuries.) Children and students are being taught that man-made global warming science is settled and not to be questioned or even discussed (Tice, 2015). The AGENDA 21, which stands for UN Agenda for the 21st Century, is being forced onto schools. It has been banned by some states in the USA but is being pushed very aggressively by the IPCC. It follows that those who question the matters get marked down in examinations and fail their exams. University students then vote for more of the same and it is self-perpetuating – and the taxpayer keeps paying trillions of dollars per year to have more and more well-paid unelected bureaucrats running people's lives. It is also in our legislation, judiciary, universities, local government, not to mention national government, most peoples' thinking, it is everywhere and those that don't agree, apparently, should be in jail.

President Obama planned to bypass the USA Congress and the Senate by calling commitments to the Paris IPCC conference in December 2015 not treaty obligations but 'regulations'. This is effectively ignoring their constitution and is because Congress and the Senate are not in agreement. For the first time the extreme green left had a US President backing them. They were determined to make the most of it by foul means or anyhow. The longer it takes the world to work it out, the more devastating will be the carnage that results in the interim. (As has always been the result of socialism / totalitarianism)

What is going on is not anything much to do with climate. Simply put it is the manipulation of scare tactics to enable the old world idea of socialism / communism to be imposed through the UN. Communism failed in Russia and many other countries in the world. It does not work. Look at Cuba.

1. You cannot legislate the poor into prosperity by legislating the wealthy out of prosperity.
2. What one person receives without working for, another person must work for without receiving.
3. The government cannot give to anybody anything that the government does not first take from somebody else.
4. You cannot multiply wealth by dividing it!
5. When half of the people get the idea that they do not have to work because the other half is going to take care of them, and when the other half gets the idea that it does no good to work because somebody else is going to get what they work for, that is the beginning of the end of any nation.

## 7. Some historical observations of popular opinions

Just because a view may be widely held is no reason it is correct. Mainstream consensus is in fact, most often incorrect. British philosopher Bertrand Russell OM said *“the fact that an opinion is widely held is no evidence whatever that it is not utterly absurd; indeed in view of the silliness of mankind a widespread belief is more likely to be foolish than sensible.”* It is akin to sheep following each other.

The manipulation of public opinion has been occurring, at the will of dictators and politicians, for centuries. In the history of mankind, mainstream consensus has been sought and established with drastic results. In World War Two, German politician and Reich Minister of Propaganda in Nazi Germany Paul Goebbels successfully convinced a significant proportion of the world’s population Hitler was a great man. (It was World War II and Germany had many allies who looked to Hitler as a great leader. Not to mention the German population)

As discussed in section 4 of this paper, this type of ‘consensual’ thinking has formed the bulk of the case for man-made global warming by IPCC. A so-called ‘consensus’ of scientists supposedly agree with the IPCC. However, science is not a matter of votes – it is a matter of fact

John Michael Crichton, an author admired for his meticulous scientific research, said (2003) *“I regard consensus science as an extremely pernicious development that ought to be stopped dead in its tracks. Historically the claim has been the first refuge of scoundrels. It is a way to avoid debate by claiming that the matter is already settled. Whenever you hear the consensus of scientists agree on something or other, reach for your wallet because you are about to be had. There is no such thing as consensus science. If it's consensus, it isn't science. If it's science, it isn't consensus. Period.”*

Fueling ‘consensus thinking’, are plenty of enthusiastic activists in the world, who demonstrate and/or sign petitions about environmental ‘concerns’ without any profound knowledge of what they are demonstrating about. USA TV program, Penn & Teller (2006), at a climate change meeting, sought to ban ‘di-hydrogen monoxide’ because *“it is in our lakes and reservoirs, used by pesticide companies, we wash fruit with it and it gets into our food supplies. It causes excessive sweating and excessive urination.”* Hundreds of people signed the petition ‘to help save the planet’ from this nasty chemical without recognizing di-hydrogen monoxide (H<sub>2</sub>O) is water!

These examples substantiate and explain how multitudes have flocked after IPCC dogma without genuine consideration of the underlying truth.

As quoted by President Trump, the Paris Accord on CO<sub>2</sub> and global warming, requires about \$100,000,000,000,000, (100 Trillion ) to be paid in to the UN etc. by the end of this century to prevent the world warming up by 0.2 degrees C. The USA, with about 5% of the world’s population, and 25% of world GDP was in line to provide most of this.

## Consequences for NZ

Think how much better NZ standards of living would be compared to all those nations that pay trillions of dollars to the man-made global warming cause for nothing – if NZ politicians would just spend enough time to sensibly consider the true climate science. John Key and Paula Bennett had not been able to provide me with any independently peer reviewed scientific paper showing that CO2 will significantly increase global temperature or climatic disturbances. THEY COULD NOT BECAUSE IT IS NOT SO. Instead man-made global warming legislation is going into our laws, local governments have been buying carbon credits, all Kiwis pay extra taxes on fuel, the Emission Trading Scheme will further hamper the country, planning decisions are being based on IPCC projections, it was recently reported that Marlborough Marine Farmers will pay \$42m to renew licenses, every 10 years. The NZ advisor to Government on these matters is NIWA. Their basic views on man-made global warming stem from a thesis being written by a now sacked senior NIWA official. The thesis has not been available for public scrutiny and has been supposedly “lost” –not a good starting place to set up taxing the population under an Emission Trading Scheme. Alarming, NIWA has followed the flawed IPCC dogma and also refused to adjust flawed temperature data. (Which if taken into account indicated a 0.2degree increase in NZ temperatures over 100 years – Not 1.0 degree as claimed by Niwa)

New Zealanders cannot afford to pour money into this scam just because other nations are. The real science and the real agenda must be considered. There is no doubt as to the real agenda – it is even admitted by some of the leaders of the man-made global warming movement. If IPCC had had their way in Paris, the world would have been irrevocably launched into their scam. Defense budgets would need to be paid to the UN so the UN could run a world-armed force. Socialism would be pushed to new levels. Our schools and universities would be even more indoctrinated. That is the new world order so desperately sought. It all will have nothing to do with climate change – as it never did.

NZ would be ruled by unelected bureaucrats who will do nothing to create wealth. All aspects of Kiwis’ lives would be meddled with –permits required for everything, confiscating taxes, discretionary spending money not allowed for, limited private asset ownership – and maximum state ownership of assets, and in effect one might as well live in Cuba – if you had the money to get there.

Over the last 50-60 years, NZ has fallen from the top 2-3 countries in the world in GDP per capita to number 21 and the NZ\$ has devalued by some 300% against the \$US. It is totally ridiculous for this country, or any country, to be pouring huge sums of money into the non-solution to a non-problem that reducing carbon emissions is to global warming. The return on the massive funds expended will be zero or negative. Where are the politicians who will wake up and stop the PC nonsense?

We are not a rock star economy. In 2014 [the New Zealand Productivity Commission](#) expressed concern about low living standards and problems affecting the long-term drivers of growth. Paul Conway, Director of Economics & Research at the Productivity Commission, wrote: "New Zealand's broad policy settings should generate GDP per capita 20 per cent above the OECD average, but the actual result is more than 20 per cent below average. We may be punching above our weight, but that's only because we are in the wrong weight division!" These comments were before the effect of commodity prices collapse, including dairy prices. Our economy is not strong as National MPs kept telling us and the current government will make it even worse.

## **.9. Conclusions (All referenced through the paper.)**

- The world is not warming any more than it has for centuries at not at all for 18-19 years. Local research center has 2015/6 as the 19<sup>th</sup> hottest year on record. NIWA continues to claim record hottest years all the time.
- CO2 is not causing significant global warming
- CO2 exists naturally in air – 97% of it is produced by the planet naturally
- It is not agreed that man's activities are causing the increase in CO2 in the atmosphere
- There are not increased climatic disasters occurring
- Fraudulent data manipulation is rife
- The biggest scam the world has ever seen is happening – Even NZ is spending \$billions on the nonsense. There will be zero return on those \$billions.
- The UN IPCC has a very serious political agenda masquerading as preventing global warming
- The great socialist plan has been progressing for 40-50 yrs. The Global Warming Fiasco is but a part of it.
- The results of the plan are in our legislation, our universities, our schools, our local body planning rules, and untold beaurocracy that want to destroy democracy and rule our lives. They even say so
- The Paris IPCC conference in December 2015 should have been boycotted
- Existing carbon reduction programs should be abandoned
- All national and local body legislation should be purged of the influences of these sources.

**THE RECOMMENDATION OF THIS PAPER TO THE MINISTRY FOR THE ENVIRONMENT IS -**

- 1. Boycott IPCC conferences.**
- 2. Abandon existing carbon reduction programs and any climate change payments to the UN.**

**This paper is about the scam that man is causing CO2 emissions that cause the world to warm up and cause climatic disasters. It is the biggest scam in the history of mankind. It is really about - yet another push for socialistic control of the world. Before Trump and Brexit it was probably going to succeed.**

**For President Trump and Brexit, no polls predicted either of the USA or UK voting. Both eventual outcomes were laughed at before the final outcomes, no one could believe they could happen. That conceited conservatism is not where the voters that counted were.**

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Dyson Freeman FRS (born 15 December 1923) is an English-born American <sup>[5][6]</sup> theoretical physicist and mathematician, known for his work in quantum electrodynamics, solid-state physics, astronomy and nuclear engineering. Dyson is a member of the Board of Sponsors of the Bulletin of the Atomic Scientists.

Read more: <http://www.climatedepot.com/2015/05/27/new-recommended-interview-with-renowned-princeton-physicist-freeman-dyson-dispels-global-warming-hysteria/#ixzz3dM84pAEC>

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Moore P, Dr Patrick. Cofounder of Greenpeace and now global warming realist

Morano, M. Marc (born 1968) is a conservative American publisher. He has worked on different assignments in the Washington political scene, but is best known as founder of the website Climate Depot, a project of the Committee for a Constructive Tomorrow. Morano was born in Washington, D.C. and raised in McLean, Virginia. He has a bachelor's degree from George Mason University in political science. Currently serves as Communications Director for the Committee For A Constructive Tomorrow and executive editor and chief correspondent for the award-winning ClimateDepot.com, a global warming and eco-news center founded in 2009. Morano spearheaded the 2007 groundbreaking report of 400-plus dissenting scientists and the follow-up 2008 report of 650-plus scientists dissenting man-made global warming fears; by 2010, a new 321-page "Climate Depot Special Report" listed over 1,000 international scientists who had turned against the UN IPCC. Morano's EPW website won a Golden Mouse Award in 2007 for improving communications between Members of Congress and their constituents. In February 2010, Accuracy in Media awarded Morano their annual Reed Irvine Award alongside Andrew Breitbart, and in July 2010, Doctors for Disaster Preparedness announced it would award Morano that year's Petr Beckmann Award.

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Plimmer, Ian Rutherford is an Australian geologist, professor emeritus of earth sciences, professor of mining geology at the University of Adelaide and the director of multiple mineral exploration and mining companies. He has published 130 scientific papers, six books and edited the Encyclopedia of Geology.

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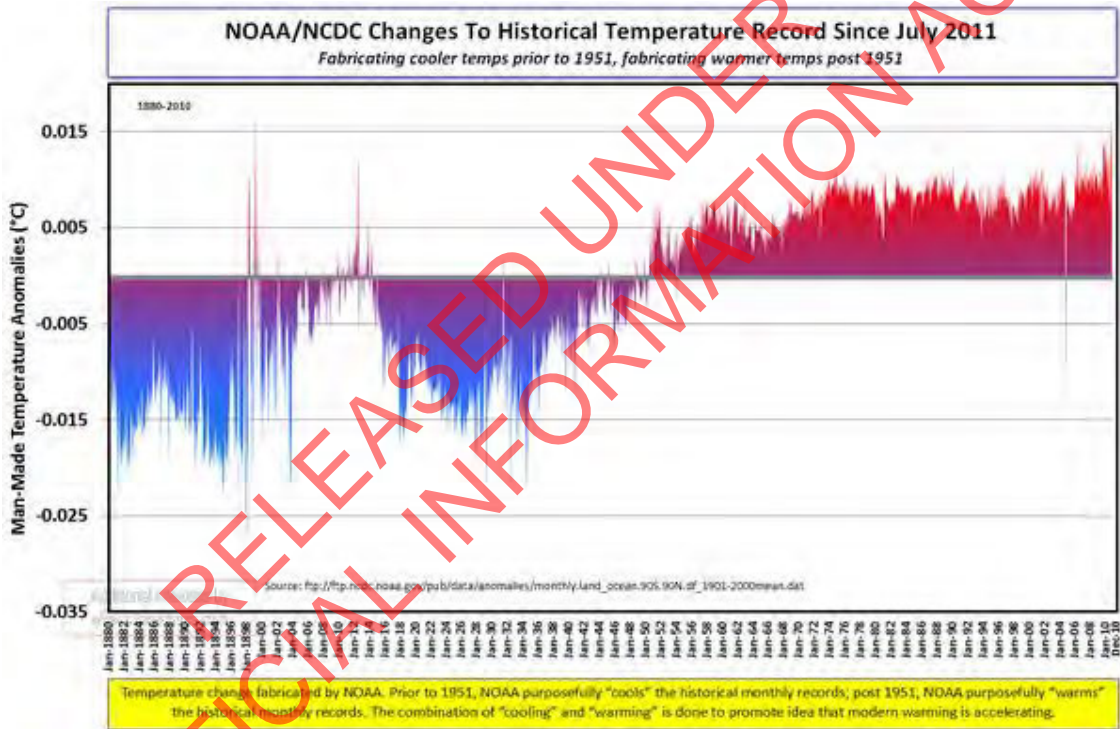
Watts Up With That? The world's most viewed site on global warming and climate change



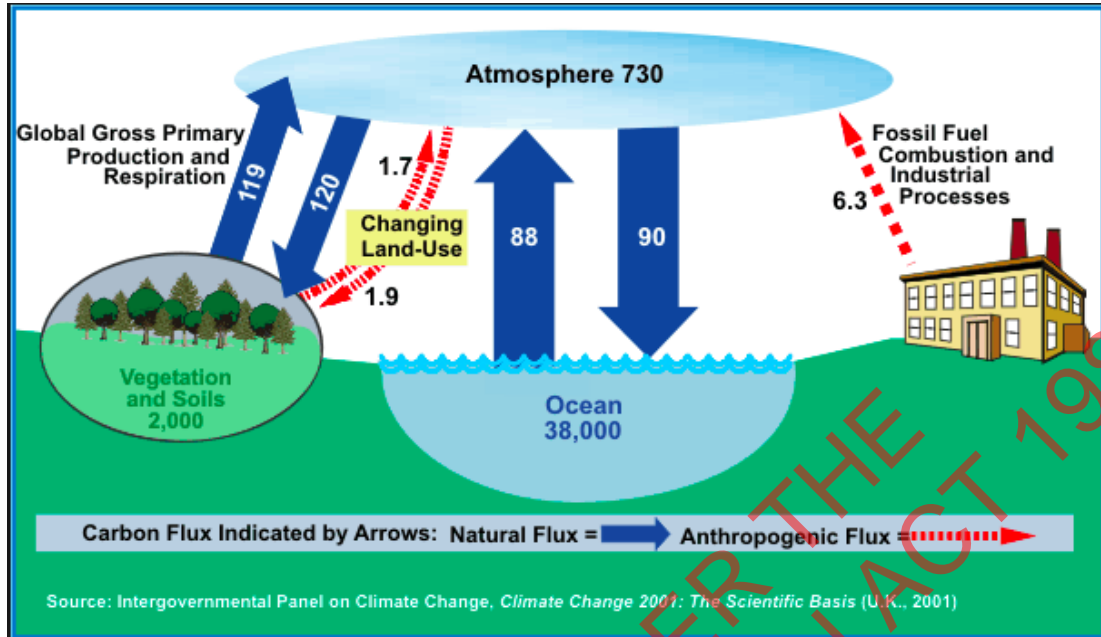
## 11. Appendices

### Appendix A

Temperature change fabricated by NOAA purposefully “cools” the historical monthly figures prior to 1951 then purposefully “warms” the historical monthly records. The combination of “cooling” and “warming” is done to promote ideas that modern warming is accelerating.



Appendix B – CO2 to and from the atmosphere



Summary Appendix B (IPCC information 2001) from the above information.

CO2 Going into the atmosphere

1.Global Gross Primary Production and respiration	119 GT
2.Oceanic release	88
3.Fossil Fuel Combustion and industrial processes	6.3
Total CO2 going into the atmosphere	213.3GT
% from Fossil Fuels and industrial processes	2.95%

Long term range of CO2 in the atmosphere 300ppm to 7000ppm.

Current level of CO2 in the atmosphere ~ 400ppm

The IPCC theory is that an increase of CO2 in the atmosphere from 350 ppm to 400ppm is going to cause Armageddon.

There is no historical correlation between high atmospheric CO2 and temperatures, or climatic disasters.

## Appendix C – Data Manipulation

There are numerous concerns regarding manipulation of data in relation to reports and general information regarding 'global warming'.

Three themes are apparent (Morano, 2015):

- (1) Prominent scientists central to the global warming debate are taking measures to conceal rather than disseminate underlying data and discussions;
- (2) These scientists view global warming as a political "cause" rather than a balanced scientific inquiry
- (3) Many of these scientists frankly admit to each other that much of the science is weak and dependent on deliberate manipulation of facts and data'

The following are some of the concerns posted by Morano (2015):

**Weather station temperature claims overheated, report claims: U.S. temp record 'U.S. has been systematically overinflated due to faulty data manipulation and 'encroaching urbanity'** 'They started making what they called corrections after the year 2000, which turned the USA temperature trend from completely flat to fairly steep warming. The corrections were changing the temperature record. Several large adjustments hadn't been documented at all, boosting readings by as much as 1.5 degrees over older measurements'

### **All Claimed July Warming In The US Is Due To Data Manipulation**

SHCN has adjusted recent US July temperatures upwards by 1.5 degrees F, relative to the 1890s. The adjusted July graph shows about 1.5 degrees of warming since 1895'.

### **Meteorologist D'Aleo: NOAA and NASA Complicit in Data Manipulation**

**Flashback: Meteorologist Anthony Watts 'In the business world, people go to jail for such manipulations of data'**

**Watts: 'Is history malleable? Can temperature data of the past be molded to fit a purpose? It certainly seems to be the case here, where the temperature for July 1936 reported ... changes with the moment'**

**'Adjustments breathtaking – to Arctic temperature record – is there any 'global warming' we can trust?'**

**UK Telegraph on new climategate: 'Fiddling with temperature data is the biggest science scandal ever'**

**Climategate 2.0: 'Scientists frankly admit to each other that much of the science is weak and dependent on deliberate manipulation of facts and data'**

**Climatologist: Global Temperature and Data Distortions Continue — 'manipulation of temperature data'**

**CBC's Rex Murphy Unloads About ClimateGate: It 'pulls back the curtain on pettiness, turf protection, manipulation, defiance of FOIA, loss or destroyed data and attempts to blacklist'**

RELEASED UNDER THE  
OFFICIAL INFORMATION ACT 1982

*New Zealand Government Consultation*

**Re: Ministry for the Environment. 2018. *Our Climate Your Say: Consultation on the Zero Carbon Bill***

***Submission of R Z Christensen  
Knusel Information Tapui Ltd  
[www.skybicycle.biz](http://www.skybicycle.biz)***

*on behalf of*

***Wild Horses of the Kaimanawas***

***Whales, Alligators, Monarch Butterflies***

***Several Species of Bird***

***Maidens, Babies etc***

RELEASED UNDER THE  
OFFICIAL INFORMATION ACT 1982

July 18, 2018

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## *Preamble*

Laws of nature well known by the end of the nineteenth century are fabulously ignored in the common salutations to the 'great' work of the Kyoto Protocols and the Paris Agreement concerning greenhouse gases. As I have outlined already in a submission to the New Zealand Productivity Commission, there is a virtuous, heroic canard on the loose, in the campuses of the world and now in some political circles. That being so, leadership must nevertheless weigh the foreseeable damage if we choose to deal not with the real science but rather with just an illusionists' ersatz. Good on the perpetrators of the canard for rousing the politic to an action stance! Now all we need is some drops of transcendence and sobriety. We must leave behind a stale tale.

Just prior to the last general election in New Zealand, there was an up-and-coming marginal party whose leader, through a trust he ran, employed a certain newly graduated scientist to look into climate change. As it happens the party leader had received a letter from me and had he been the kind of operational leader we look up to in engineering circles, he would have been relishing the opportunity to force the scientist into a debate with me. He would have been replying to my letter with exclamations of glee. "Now I have someone under contract who can be forced to confront the omissions and irreverences! Do come by at your earliest convenience and recite them to us!"

Sadly for his party and biography-to-be, it appeared that the new scientist would instead be employed to assemble ammunition. The party apparently had decided that it would support the drive to reduce our greenhouse gas emissions without first putting on the hat for interpreting laws of nature. It would succour a false friend.

History will bear me out: that party did not cross the 5% thresh-hold and has now lost its wind. The moral of the story might be that if you have a predetermined agenda in approaching a question of science, you are likely to miss the promises. Alternatively the moral of the story could be about a fickle convenience in using horse-muscle evaluations to determine the contents of a horse's saddle-bag.

On page 15 of the Ministry's discussion document, it is stated, "We are fully committed to the emissions reduction goals embodied in the Paris Agreement". While this sentence may have been written in a swelling of pride, it is actually rather a disguised admission of negligence. Moreover the estimates of foreseeable damage due to climate change are more or less indications of the seriousness of that negligence. I have assembled an argument capable of proving that the cause of the climate change lies in the conversion of the energy of tidal motion. Either a pre-determined agenda or some inappropriate horse-muscle evaluations could get in the way of examining and developing the argument but such extraneous constraints could be quite terribly counter-productive.

I will address the question of the 2050 target for emission reductions and, of course, my position is that any such target is a folly. The proposal to constrain farming

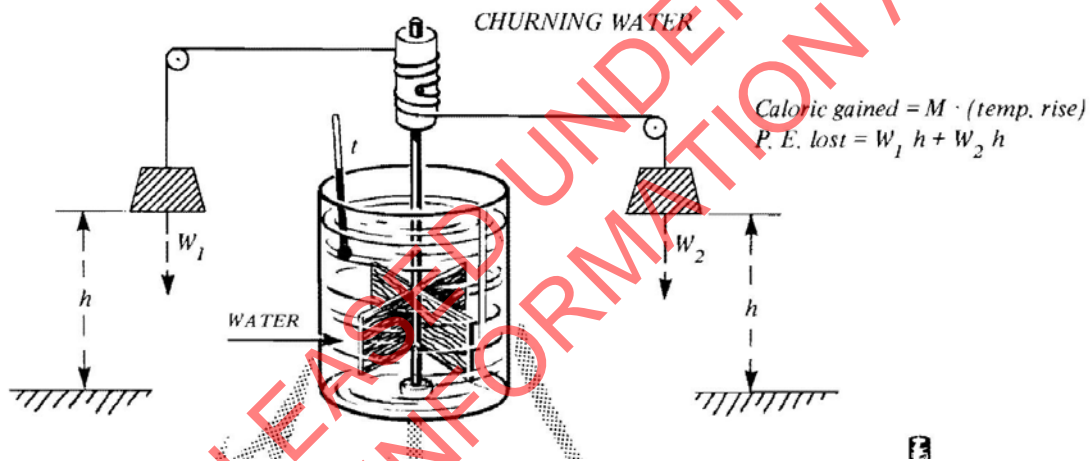
activities by applying such a target, using the law, is particularly offensive. It strikes at the heart of the core values. Real science and evidence cannot be completely ignored simply to appease some Lady-of-Gold official sentiment or some phantom of the Zarathustra ticky-tacky.

The following essay begins with a brief discussion covering some of the science that is being ignored. I then turn to discussing how this will impugn the core values of the law. Finally although it is strictly outside the scope of considerations pertaining to the Zero Carbon bill I discuss a systemic problem that may be giving rise to some inappropriate reliance on horse-muscle evaluations.

This submission is best read in conjunction with my earlier submission to the Productivity Commission<sup>1</sup>.

### ***Some Matters of Science***

#### **(1) Gravitational Potential Energy**



British scientist James Joule used this experimental apparatus in the mid-nineteenth century. Gravitational potential energy is mined from the falling weights and converted into water's thermal energy. Gravitational potential energy therefore appears on the canvas among the energies that are linked through the law of the conservation of energy. Joule's experiments were the inspiration for the discovery of this law of nature. Energy cannot be created or destroyed, only converted.

Joule and other scientists of the nineteenth century were able to calculate the amount of gravitational energy that could be mined from a falling weight by using the work-energy theorem and Newton's law of gravity. This method in science remains of proven utility value even today. It requires the determination of a function for which the first derivative relative to distance is the Newton gravitational force formula. Due to the work-energy theorem, gravitational force can be seen as the first derivative of the gravitational potential with respect to distance.



As the calculus goes, the function we need to find for gravitational energy is not unique. We can add any constant quantity of energy to get another function that also will work according to the criteria. However this lack does not prevent the calculation that we need to do if the motion is given a beginning distance and an ending distance. That neatly applies to the case of the falling weights in the apparatus. In this case, as in many others, the two distances are two values of radius to the centre of the Earth's mass. The constant is canceled out when the pertaining energies are subtracted one from the other.

It has been thought to settle the constant so that the energy at an infinite distance away from Earth comes out at zero joules<sup>2</sup>. This provides that all the other values of the function will be negative energies leading possibly to the misconception that gravitational potential energy does not really exist. (Somehow it will spring into life when derived as a difference?) Today the question is of critical importance whether that way of settling the constant is appropriate - because gravity is a conservative force and we are relying on it to power up the tidal waters from which energy for the grid is being taken.

The focus is on tidal turbines in particular because the tidal cycle lacks an external contributor of energy unlike the water cycle that pertains to the hydro-electric turbines.

As outlined on company website<sup>3</sup>, it is possible to settle the constant so that the energy at a point inside the Earth comes out at zero joules. The issue is not so much whether the so-called neutronium point is the right distance away from the centre of mass but rather whether the gravitational energies pertaining to points near the Earth's surface should be framed as positive to reflect the view that we have a reserve in the gravitational potential.

Accordingly there is a category of evidence to be considered. We may wish to affirm that the gravitational potential is a limited reserve, a positive quantity of joules from which, and to which, other energies may be converted. Also we may wish to deny that it is infinite in character. As mentioned below, one of the stand-out pieces of evidence is the relative well-mixing of the tropospheric atmosphere.

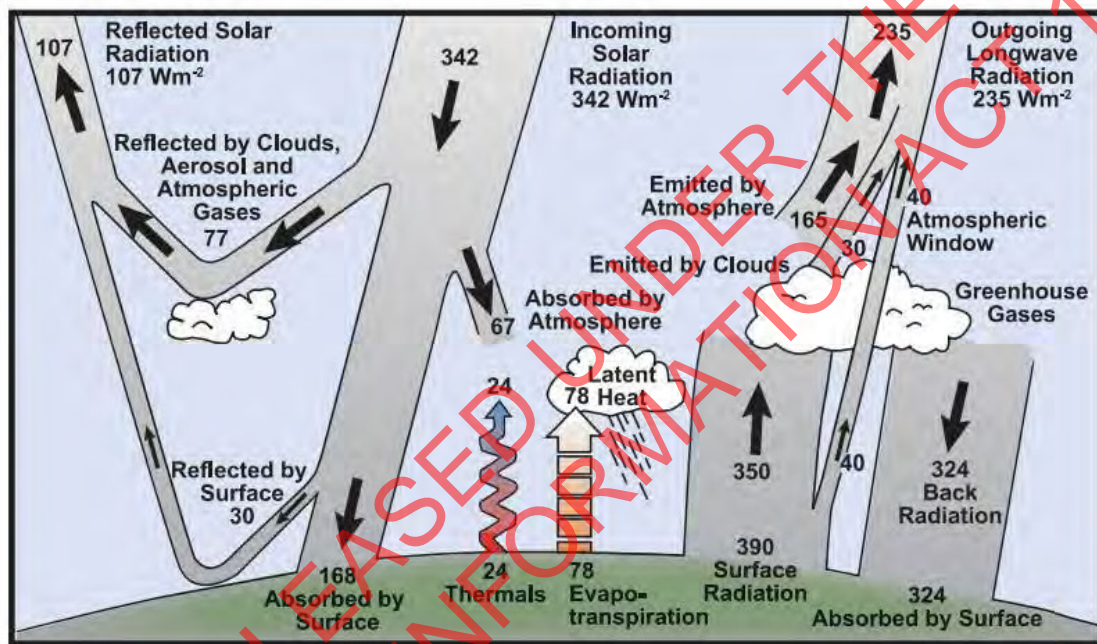
## (2) The Surface Equilibrium Equation for our Planet

The greenhouse effect is something that certain models of the atmosphere do predict will occur. These models tend to rely on an assumption about the magnitude of thermal flux given at Earth's surface being the Earth's black-body radiation. That solids and liquids radiate electro-magnetic energy in proportion to the fourth power of absolute temperature is a well-known science<sup>4</sup>. One measures it as a flux coming out of a body, at the body's surface, but there is a factor in the formula that can change from body to body and seems to depend on surface characteristics such as shininess. Possibly it depends on some other influences as well.

One thing scientists could do with the Earth is to divide its surface into types and

by measuring the thermal flux exiting samples of each type we could arrive at an approximate figure for the Earth as a whole. However the models we should question assume that while Earth is in thermal equilibrium, the flux going out of the Earth will match, energy-wise over time, the Earth's received flux of heating energy from the Sun. Instead of measuring the out-going flux, they rely on measurement of the incoming flux. However this equilibrium equation is something that must be rejected unless solid evidence can be found for it.

We may find one example of its application in the diagram on p. 96 of the IPCC's *Climate Change 2007: The Physical Science Basis*. Here the incoming flux has been divided into two components ( $324 + 168 = 492 \text{ watts/m}^2$ ) and the out-going flux has been divided into three components ( $390 + 78 + 24 = 492 \text{ watts/m}^2$ ).



Another example of its application can be found in *An Introduction to Atmospheric Physics* by David G Andrews, published by Cambridge University Press. This textbook was recommended to me by Professor David Frame of the Victoria University of Wellington Climate Change Research Institute. David Andrews is or was a professor at Oxford University in Britain. His account of the theory of the greenhouse effect seems on the surface at least to match the basis on which the IPCC has rallied the world around a greenhouse gas emissions reduction program.

Their rough equilibrium equation must be rejected on at least three grounds. Firstly heat energy received at the surface may be channeled into the Earth eventually finding a repose in such contained internal cauldrons as may occasionally manifest in volcanic activities. Secondly heat energy, especially in a channeling context, may be lost to the energy of chemical bonds by endothermic chemical reactions. Thirdly the distribution of the Earth's mass may be gradually changing over time. Internal heat energy may be driving a slow migration of mass towards the surface whereby for a given rotational speed, in the Earth's spinning,

the rotational kinetic energy will be greater. It is at least plausible.

Good science should then be at pains to rule out the above-mentioned ways for the Earth to act as a giant heat-sink without manifesting any surface temperature rise. However as I suggested in my submission to the Productivity Commission, the intent behind the atmospheric models of the IPCC, as supported by many establishment scientists like the above-mentioned Andrews and Frame, has probably not been a scientific one<sup>5</sup>.

### (3) The Water Cycle and the Tidal Cycle

Water is essential to life. Our community of life-forms on planet's surface, in planet's waters, would be lost without it. So the water cycle is a must-have on any respectable curriculum suited to educating a human being. As I remember the teaching, the Sun's heating of the waters produces evaporation and water molecules rise up. As they rise in the atmosphere, energy is donated to the gravitational potential.

The idea that a wholesome unified set of natural laws applies, equally to this case of rising mass in the water molecules as to the case of the rising mass in weights being lifted or stones being thrown, may produce the enchantments leading to many students' alignments in science. One will learn that the water cycle is completed by the raindrop, river and stream, in each case there being a kinetic energy of motion that is derived from the gravitational potential.

In the end, considering the water cycle as many repeats, water molecules rising and falling over and over, the net drain on the gravitational potential is nil. This may be entered as an hypothesis at the secondary school level. Later one may learn to think of it as an upshot of the classification of gravity as a conservative force. When we apply this to the tidal cycle, we find that a tidal turbine represents a net drain on the gravitational potential. This arises because there is no external contributor of energy, like the Sun.

Judging from various responses to letters I have received, the official viewpoint runs that the gravitational potential is effectively infinite so nobody needs to worry. My research suggests this official viewpoint is based only on wishful thinking however<sup>6</sup>.

In a dispute context, such as in the context treated briefly below, in the discussion of a core community value being impugned, it may be that one party has made an allegation that the other has found unsupportable by the evidence. It is proper then for the first party to furnish a rebuttal or a proof. For example, it may be that a supplier's special oil will not sink below the mercury as it should do, thereby rendering a machine kaput. Then in the effort to produce a rebuttal the machine's supplier may discover there was a mistake made in the production. It was not the special oil intended that got inserted, say. The mistake is accordingly to be fixed and the dispute then enters a new, winding-down phase.

One or two officials tried to give me some horse-neighbor rebuttal, but only as parting shot. There was no dispute they could discern, at least none they would confide. In a real dispute context, expectations of some to-ing and fro-ing would have obliged them to weigh my complaints more thoroughly.

If a proceedings of the International Court of Justice were to be confronting the tidal turbine lobby with a proof-of-balancing request, it seems unlikely the lobby would succeed in providing one. There is accordingly a category of scientific evidence. The group appointed under Article 50 of the statute should be capable of weighing it. Of course this is tied up with the matter of the appropriate constant mentioned above. (See section (1).)

#### (4) Heat and Einstein Symmetry

At the end of the eighteenth century, scientists were ready for the idea that heat is a form of energy. They found it could be produced by mechanical work. As outlined above, this idea eventually led to the experiments of James Joule and the law of the conservation of energy.

In turning to the heat energy in a gas, scientists were able to verify a statistical model in which the mean square speed of the gas molecules, in a certain frame of reference, when multiplied by the gas mass yields a quantity proportional to the gas temperature. Through verifying this model, heat energy in a gas was found to have microscopic components in the kinetic energies of the individual gas molecules. Thus the contribution being made to gravitational potential by a water molecule rising above the Earth's surface, in the first part of water cycle, is now also a lessening of the heat energy in the atmosphere (assuming a wind is not driving it up).

Let us call it 'thermal ground frame'. This nomenclature leaves it open whether the frame for the evaluation of molecular speeds is the atmosphere's centre of mass or whether something else applies. I believe it is a far deeper question than what some writers may have allowed for<sup>7</sup>. At any rate, if there is another frame moving in relation to the thermal ground frame, and should we choose to evaluate the molecular speeds in this other frame, then assuming a random distribution of molecular velocities, more speeds will be increased than decreased by the new frame's relative motion. Therefore in the new frame the atmospheric heat energy will be greater than in the thermal ground frame. If we assume the quantity of atmospheric heat energy is an objective facet of nature then a complementary state is selected for the thermal ground frame, even if we cannot know it precisely. There is no spurious motion belonging to the thermal ground frame, for the purposes of the atmospheric events pertaining.

Let us now consider another entrance for the thermal ground frame. According to the Einstein symmetry principle, considering in general where a light source and an observer are in relative motion, the two possible cases of 'source-receding-from-observer' and 'observer-receding-from-source' are physically identical. In other words, and comparing it to the doppler effect of sound, there is

no medium for the light's propagation.

In sound the medium is air (say) and the doppler effect equation is different as between the two possible cases. In one case, with source receding, the observer is stationary. In the other case, with observer receding, the source is stationary. Armed with the two different equations for the doppler effect, scientists found themselves unable to explain the Ives-Stilwell experiment in which it is light rather than sound being propagated. Einstein symmetry forced them to adopt a kind of in-between equation: one and the same equation for both of the different possible cases.

This has caused much puzzling. Someone soon discovered that you could get the in-between equation from another set of considerations. The Ives-Stilwell experiment features a moving light source and the pre-Einstein or classical viewpoint takes it as a 'source-receding-from-observer' case. If we get out the corresponding equation that applies from wave theory and the experiments in sound waves, we are not yet able to model the exact results from Ives-Stilwell but we're only a factor away, a factor that was dubbed "transverse doppler shift". In other words, one can get to the in-between equation either by applying Einstein symmetry or by assuming the moving light source is subject to an unknown influence that red-shifts its output by the transverse doppler shift factor. This factor is of course dependent on the speed of the source but in what frame should we evaluate this speed? Can we find some additional consideration that would crown the thermal ground frame as the suitable one?

I have found that the Einstein symmetry principle can be dispensed with. For quite a full range of the explanations physicists have been basing on this principle, an alternative paradigm will suffice. An introduction is available through the cartoon of the Permebasin Trust, *Sandy A Gravitational Horse*. Interested readers are directed especially to the note at the end wherein we rustle up an extrinsic classification for the geodesics of General Relativity<sup>8</sup>. This extrinsic classification opens up to a more progressive framework for the law of gravity as found through General Relativity.

To achieve the extrinsic classification, one supposes that the heavens advance in a four-dimensional place. The rate of this advancement is one measure of time. Another measure is provided through General Relativity and the tensor calculus. The GR proper time is now the time of turning or the time of the seasons. Whereas a photon follows null geodesic, there will be no such time of seasons for it but there will still be a rate of advancement in the fourth dimension. Thus we may posit that each geodesic path in space-time, upon its originating empowerment, acquires a geodesic time factor, to wit a rate of using proper time (seasons) in relation to standard time (advancement).

What indeed is the construction of the standard clock? It turns out that upon its elucidation we can see that some additional hidden properties should apply to the thermal ground frame. We may also be ticking off various encounters with phenomena needing an explanation like the doppler effect of light. Where in the

past Einstein symmetry used to beam up from the physics texts, there may in due course appear a different form of beauty<sup>9</sup>.

There remains the detailed construction of the energy-momentum tensor. I have so far been relying on an heuristic argument that this must succeed. The standard time by the new time-keeper is a variable entirely absent from the GR analysis so far. I reason there must be a way of transforming it whereby a coordinate time for the energy-momentum tensor can be derived. In the process of refreshing the underlying paradigm for the energy-momentum tensor, I do believe scholars will be able to adapt ideas from the theory of the standard clock.

In the end, Einstein symmetry can be completely thrown away. I have become quite certain of this. Among other things, this should allow us to close in on the tidal action at an atomic and sub-atomic level, leading possibly to the invention of a new means of containment for plasma chemistry. Of course we are a long way from this invention yet but if we do not embark with the work of investigation and wonder needed, we may never get to think of it at all.

The various considerations that have made me certain about the ultimate fate of Einstein symmetry do form another category of stuff being ignored. Indeed we could probably continue to ignore this and still win a proceedings at the International Court of Justice aimed to turn off a nation's tidal turbines. However on the other hand, this special category could add to the excitement.

#### (5) The Conversion of Atmospheric Heat

We have seen that the energy contributed to gravitational potential by a water molecule rising as a gas can be counted as energy coming from the atmospheric heat. Thus it may be quite disconcerting to read even the first chapter of the Andrews text mentioned on p. 6 above. Andrews makes no mention of such impact<sup>10</sup>.

Turning to the IPCC, let us search the PDF of the above-mentioned tome, *The Physical Science Basis* using the term *wind*. We may find that the IPCC has wind's energy coming directly out of the latent heat of evaporation. Supposedly upon release of this energy in atmospheric condensation events, the wind magically acquires more energy. Poof; and hereby we have something that contradicts the fundamental studies in condensation. Really, the energy of the latent heat of evaporation is sensible heat upon its release. There must be an intermediary process if ultimately it will be energy of wind.

What process? We may rate as fairly obvious the prospect that gravity is involved because atmospheric condensation events likely occur as sprinklings of tiny isolated islands. (See the subject of cloud formation in a suitable reference text.) With each such island in the atmosphere, there will be a heat bubble from the release of some latent heat of evaporation and then a rising of molecules in the bubble, a contribution made to the gravitational potential.

Quite a body of evidence is being ignored that this is the way the common sort of wind energy comes into being in the atmosphere. Gravitational potential is the intermediary between atmospheric heat freckles and an energetic wind as in a motion belonging to the bulked-up parcel of a large number of molecules taken together. In turn, while this evidence is ignored, it is harder to see that the relative well-mixing of the tropospheric atmosphere is a likely consequence of a change in character for the gravitational potential. As we cross over the tropopause, we probably need to compute a change of intension for the distance variable that connects us to the centre of Earth's mass in the formula for potential energy. New potential differences at the new remove will not be in energy that converts but merely in the likes of statistics.

#### (6) NASA and the Purpose of Gravitational Potential

The magic allocated to *wind* in the above-mentioned IPCC tome may lead one to a startling conclusion. From the conclusion that a canard has been cooked we may step to the likelihood that the National Aeronautics and Space Administration of the United States of America (NASA) has been involved in the cooking. That carries with it another thought. The men and women involved probably were not able to tell everyone on the NASA staff.

It was to NASA websites that the Complaints Committee of Television New Zealand turned when I complained about a news item<sup>11</sup> that was aired on November 14, 2017. Citing a narrative from deep within a long webpage about the carbon cycle, they began with the words *NASA explains*. This indicates their tendency to treat NASA exclusively as a bon patron of good science, to shut out any thought that an element of Big Brother may have gotten in there as well. (The canard itself may have been heroic and virtuous but to stick with it no matter what is slightly ruinous. Possibly this arises due to the organisation's internal dynamics whereas not yet all the staff are on board with it.)

NASA's part in the canard introduces a problem. We must conclude that some of the evidence put forward with NASA's blessing, e.g. the evidence provided from pyrgeometers, is inadmissible. So where exactly is the line that separates out the inadmissible evidence from the evidence we can rely on? Evidence pertaining to the likes of atmospheric pressures aloft and nacreous clouds might be relevant to the case against the tidal turbines but we would need to know that it could be relied upon. Such evidences in particular may relate to the link between the loss of gravitational potential since 1966 (date of the commissioning of La Rance tidal turbine electricity generating facility) and the warming of the planet's surface since 1966.

As I outlined in my submission to the Productivity Commission, laypersons (presumably the members of the TVNZ Complaints Committee are examples) may be happy to rest with the explanation that the services of the force of gravity to the atmospheric heat freckles (see above) have been compromised. Scientists interested in my alternative framework for General Relativity may like to go further however. They may learn to see that the gravitational potential energy has a function that in

some ways is more fundamental than its involvement in the likes of tidal waters and heat-freckle clearings.

In one or two places I have put the fundamental purpose as follows: the gravitational potential energy, as in the global taonga, is necessary for the turning of the planet in the heavens. Ultimately this is an unsatisfactory utterance that attempts to compress several chapters worth of technical showing into a few words. In due course, if such a showing can be brought to bear on the deliberations, we may want to reach for the likes of some of the above-mentioned evidences. I hope that then we can know the reliable from the unreliable.

Cleaning-up should be joyous for all but we may need to start in a spirit of forgiveness. If all else fails, some NASA sinew could have their arm gently twisted by the evidence in geographical skewing. Back radiation from the atmospheric greenhouse gases - the Kings-New-Clothes claim that the TVNZ Complaints Committee swallowed, after some imbibing from a NASA webpage<sup>12</sup> - could not produce the highly skewed global warming that we see developing on our planet, even if it were made from the finest fabric in electromagnetic fields

#### (7) Some Consequences of Independent Molecular Motion in Gases

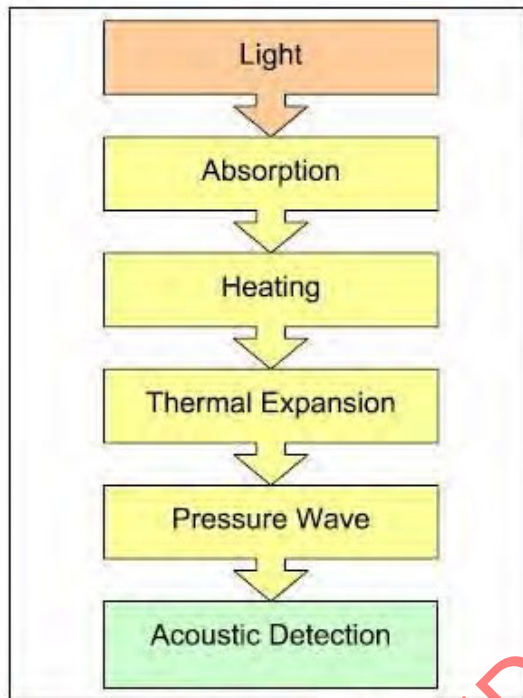
Along with elementary studies of the water cycle, one will invariably learn that in gases the molecules or atoms move independently while in solids they do not. Liquids belong to a sort of in-between, in this elementary level account. Actually the molecules in gases do cluster sometimes, typically when electricity is passing, but for most purposes they can be treated as independently moving. Accordingly the question arises as to whether they collide.

The answer to the collision question might be etched on the door to a department of quantum mechanics. It can be a science student's first encounter with numbers that are weird. Given conditions of pressure and temperature around the levels we know near Earth's surface, a molecule of atmospheric gas will collide about five billion times per second. Substitute the conditions at our tropopause and the answer is still weird - about five million times per second. Science has settled on these particular weird answers like it settles most things in quantum mechanics, through testing a statistical model<sup>13</sup>.

The upshot is that an energised molecule of gas is facing a completely different environment than an energised atom in a solid. Can it hold on to its extra energy sufficiently long to sustain the production and release of a photon into electromagnetic radiation? Experiments show that, in a gas parcel at twenty thousand degrees Celcius, the answer is probably in the affirmative. Let us drop the temperature by intervals from some such lofty height and observe how the intensity of the electromagnetic radiation coming out of the parcel falls off. By the time we get the temperature down to the levels we find typical in our atmosphere, an unactivated gas parcel is no longer a radiator of any appreciable strength. It has become instead a target for photo-acoustic spectroscopy, a technique that does not work well at high gas temperatures.



It may be argued indeed that Earth's thermal radiation acts as a kind of activator of the greenhouse gases in the atmosphere. However the lasers used in photo-acoustic spectroscopy must then also be activators. Both produce photons that are absorbed by (say) molecules of the carbon dioxide. The result of an absorption event cannot be much different, comparing the two cases.



**Figure 2. Principle of a photo-acoustic experiment.**

This diagram, taken from a paper by C. Haisch and R. Niessner of the Technical University of Munich, indicates that the result is heating. One theory runs that the molecule energised by an absorption event cannot sustain its energetic state while undergoing collisions with its neighbours at the weird rate of the statistical model that applies to its parcel<sup>14</sup>. So it loses energy in the collisions and this appears as heat energy.

As the greenhouse gases are only present in trace quantities in the atmosphere, we can assume the absorption events are sufficiently isolated to make the corresponding heat bubbles equivalent to the heat bubbles produced in condensation events. In other words, we may expect the heat energy introduced by these events to be processed through the force of gravity and turned into latent.

The theory of atmospheric back radiation is thus very problematic. (Its influence may be seen in the diagram on p. 6.)

Some observers have attempted to justify the theory of back radiation by attributing a loose meaning to the word *body*. A somewhat many-faceted example appears at the website [www.scienceofdoom.com](http://www.scienceofdoom.com)

On the face of it, disregarding omen in domain name, this website is a monumental tribute to the virtue of the crew who have brought the greenhouse effect into the world. The following quote from the conclusion section at the bottom of *Part II of The Amazing Case of Back Radiation* illustrates, as far as I can tell, an underlying foot-put-in-the-mouth.

*“Why does the atmosphere radiate? Because it is heated up via convection from the surface, solar radiation and surface radiation. The atmosphere radiates according to its temperature, in accordance with Planck’s law and at wavelengths where gas molecules are able to radiate.”*

Planck’s law as it would appear to be construed by the author of the website is

entirely a fish out of water in this context. Gas molecules move independently of each other and this does not apply to the constituent particles of any object to which Planck's law is applicable. It is by means of the order in objects of solid or liquid nature that external surfaces are defined by the objects and Planck's law can be applied to them. It concerns a measurement of the electromagnetic flux appearing at the surfaces, heading away from the body as defined, into the surrounding spaces.

#### (8) A Most Peculiar Prescription

In 2012, the *Opto-Electronics Review* published an interesting article by A. Rogalski of the Institute of Applied Physics of the Military University of Technology in Warsaw, Poland. Entitled *History of Infrared Detectors*, of course it has many references to bolometers<sup>15</sup>. There are many other types of detectors discussed in this article but not one single mention of a pyrgeometer. On this basis, and upon taking into account the novelty of the radiation balance measurement incorporated in the design, the pyrgeometer can be suspected. Putatively it is not a bona fide scientific instrument but something brought into existence for a marshaling of the troops.

The introduction section of the Kipp And Zonen Instruction Manual for their CGR 4 pyrgeometer<sup>16</sup> states as follows:

“According to the World Meteorological Organisation (WMO) a pyrgeometer is the designated type of instrument for the measurement long-wave atmospheric radiation.” (The preposition “of” after the word “measurement” is indeed missing from the Kipp and Zonen statement.)

Possibly it is a result of such designation that the back radiation speil at the above-mentioned [www.scienceofdoom.com](http://www.scienceofdoom.com) has one table 8.4 quoted from the illustrious seeming Global Energy Balance Archive. Incoming longwave radiation is tabulated as something measured by “pyrgeometer, upward-facing” and the data volume has been circled in red.

Just because the attestation of substantial atmospheric back radiation, by the IPCC and by other mysterious benefactors, is an extraordinary thing, going against the grain of other knowledge, it does not mean that the attestation is untrue. However if good scientific method is followed, the measurement and detection of the radiation will be performed not just by one type of instrument but by all the types that have been determined to be competent. The designation of one type of instrument by the WMO is a very confounding thing. It lends weight to the idea that the WMO and the IPCC have cooperated in stitching together a canard.

That the designated type of instrument does not appear in a good history of infrared detectors is then a whiff of confirmation that we have a canard, rather than keen good science, in the position of the IPCC.

It surely cannot be too difficult to put a military-grade bolometer to the plough

whence to add to the excitement that may now attend. However if the remedy discussed below can be accepted more or less in its fullness, then the junking of the pyrgometers can play second fiddle and its sound may be lost.

### ***A Core Value in Dignity Being Impugned***

In paragraph (1) of my submission to the Productivity Commission I somewhat compressed what now I will endeavour to explain more clearly. For convenience sake, let me first repeat the paragraph.

(1) It is fair and sometimes necessary in commerce to withdraw from a contract if one discovers that one has been induced to enter into it by a material misrepresentation of the facts. The first maxim of equity involves a balancing of wrongs and remedies and there is no reason why New Zealand's involvement in greenhouse gas emissions reductions should not be reviewed in the light of the principles of equity.

In an imaginary case pertaining to misrepresentation, a shipbuilding company orders and receives a ship component from a supplier. The boss at the shipbuilding company is married to a salaried high-flyer, a riser-of-the-ranks in the supplier company. The component is received at the shipyard and inspected by engineers who declare it to be junk. Does the shipyard manager reject the device for want of a performance warranted or do they spare the boss from being torn by conflicting affections, i.e. do they pretend that it is fit for service, say nought and cross fingers?

It can be quite critical in engineering, construction and medicine at least, to drive certain contracts into a state of dispute. In recent times the President of the United States of America has joined with Professor William Happer of Princeton University and certain United States Supreme Court judges to declare that there is no truth in the theory of the greenhouse effect. Accordingly every nation, including New Zealand, should be now driving the Paris Agreement and the relevant Emissions Trading regimes into appropriate states of dispute. However it appears we intend to deal with this by applying an exotic form of hysteria instead.

Will the boss of said shipbuilding company handle the dispute that is dealt to him by raving madly at his wife?

The fortunate thing about New Zealand's position is that it can, rather affordably, have to hand a key to some global calming-down. Surely that key lies in the proof that tidal turbines need to be disempowered and dispensed with<sup>17</sup>. Through the argument one can arrive at an wholistic scientific understanding of the globe's climate problem and then more easily side with Happer and Trump on emission reductions. By blocking the come-uppance of the argument, by promoting a wooden-headed pursuit to Zero Carbon instead, the government may be like the wretched partner in cards who though they do have the winning card in their hand refuse to play it and win the game for the team.

People are turned into statistics by the crunches of an hysteria. The more this

happens, the more the law may need to have a momentous referral in the offing to the first maxim of equity. Some statistics that were once productive and happy souls are so-many wrongs done, in a sense.

So let's to the remedy chest because the viability of communities is at stake.

Article 50 of the statute that governs the International Court of Justice seems tailor-made for the dispute we have on our hands concerning the probable cause of global climate change. Only a nation state can take a proceedings to the International Court but that just means that the government has a role to play. It cannot in all fairness to the citizens simply close its official mind.

If the government arbitrarily rejects its role in the remedy then surely we cannot pass muster in the matter of the law's alignment with human dignity. Surely there is a surrender of the human dignity in a wooden-headed pursuit that has no time for careful scientific analysis and hence no time for the offences' remedy.

### ***An Underlying Systemic Problem***

In an Australian National Press Club Debate of 2011, between economist Richard Denniss and the British Lord Christopher Monckton, the economist proffered an analogy. A person with an unknown illness is taken around to various doctors of medicine. They all concur on the one diagnosis. What can a poor nation like Australia do, except to go along with such a diagnosis? Reading the illness as climate change and the patient as the planet. Australia's leaders must surely copy the diagnosis of countless experts in atmospheric physics. This was the message of Richard Denniss. Hence of course, according to his way of thinking, it would be immoral for Australia not to join the rest of the nations and aim for some reductions in greenhouse gas emissions<sup>18</sup>.

In this analogy the physicists are portrayed as people practising a known art of cure but the planet has not had the global warming problem before. There is no art per se. There are merely thinkers and researchers.

In a thinking that seeks to apply the laws of nature to some unresolved matter, calculus is an important tool. However there are two ways to teach and learn calculus and they are somewhat fundamentally different. Unfortunately the popular school curriculum, going back to the late 1960s or so, has dallied in a way that introduces a profound problem. More or less, there may exist a background conflict between a giant gymnasium expansion project and the wider interests of a community.

The gymnasium expansion project is (whimsically) a community's educational game from which doctorate students do emerge. It houses experts in various academic disciplines but will sometimes fall short of answering to the core community values because such disciplines will have a way of growing from internal types of impetus.

In relation to the teaching of calculus, the way that preserves and relies upon the intensional qualities of the core symbols is much more likely to yield a student informed about the laws of nature as known through calculus. The other way involves using a derivational axiom system to provide the connections. In its adherence to this second way, the modern curriculum typically produces a scholar who, while they may warrant an office in the gymnasium, is not necessarily well-equipped to think broadly.

Of course, laws of nature do abound when the topic on which we must think is a practical one, like the global warming problem. Hence it would very appropriate if university departments of mathematics and physics were to acknowledge the value of generalists on the staff. In concept a generalist is a person who does not have a silo of speciality. They should be sufficiently competent to prepare and teach courses at first-year or second-year level in a wide range of relevant topics. The elementary calculus as known through fully intensional symbolism and with reductio-ad-absurdum proofs could be something to be taught by such a person. Possibly they could go back to some nineteenth-century textbooks to connect. However such calculus is inherently simple enough that one could well be giving it to third, fourth and fifth form students at secondary school.

The conflict between the gymnasium project and the community interest centres around this question of whether a sprinkling of the intensional calculus in the low and middle years of secondary school must be sacrificed, ruled out, because the gymnasium prefers rather to covet its calculus and draft the students as a neophytic corps. If we suppose for the sake of argument that the third, fourth and fifth-formers do have the calculus then the plebiscite will shape up as better prepared to thumb nose at a loose assumption behind the Richard Denniss analogy.

If there is no prior art, then let us all have a little think but Denniss assumes we are not capable and need the experts to do it all.

Turning back to New Zealand, in a book called *Get Off the Grass* by our late physicist Sir Pau Callaghan and his co-author Shaun Hendy, there are four imperatives distilled, applying to the prudent way forward, from around 2012. Imperative number three is “connect, collaborate and open up” (quote). If we are to take this imperative seriously then, if the heart of a matter is a community problem needing careful thought, our experts in the field should be focusing first on elucidation and only second on thinking the problem through. We surely cannot believe that sufficient elucidation is done on the basis of some humming piped through the walls of an information silo. The experts will have a party and dream?

On page 15 of the discussion document, it is stated that (quote) “Greenhouse gases trap warmth from the sun and make life on Earth possible. Without them, the surface of the planet would freeze.” Is this a humming sound piped? It will be sad refrain to put with this if we go forward unseeing on the wave to reduce the world’s greenhouse gas emissions whence to think there has been a best-practice cure done.

## Notes

1. The URL for submission to Productivity Commission follows:

<https://www.productivity.govt.nz/sites/default/files/sub-low-emissions-185-the-permebasin-trust-346Kb.pdf>

A quick way to get the submission into a browser may be to search in Google (say) for *canard of pyrgometer*.

2. Physics Parts I and II, Wiley International Edition, Robert Resnick and David Halliday (Library of Congress Catalog Card Number: 66-11527) section 16-9, pp. 406 - 409

3. The elementary picture we paint on our website, in checkpoints 3 and 4, two pages, disregarding the cartoon of the Permebasin Trust, could easily have been a hypothetical notion to many scientists at the turn of the nineteenth century into the twentieth. Our neutronium point may not have been given that name, of course. In this picture, the gravitational potential energy of a rocket (say) is set to rise and rise as the rocket heads away from Earth, but only up to a point where it undergoes a change of identity and is then effectively left behind. The underlying premise is that, for a rocket in general, the convertibility of the gravitational potential energy will relate only to the calculations pertaining to its fuel supply. It is an empirical question whether or not fuel energy must continue to be supplied at all times when gravity is meant to be doing negative work on the rocket. (See <http://www.skybicycle.biz/chkpoint3.html>)

4. Physics Parts I and II (as before) sections 47-2 and 47-3. In 1900 Max Planck found a better formula for the spectral radiance of a cavity radiator. Later this formula was applied to a body more generally speaking, in particular to its external surfaces, in association with a surface property called emissivity. If we integrate the formula between two points in the wavelength spectrum, after factoring in the emissivity coefficient, we obtain a quantity denominated as power per square area - in flux units. Where is the area in a gas? It would be rather a wild leap to assume without an investigation that any abstract plane in space will do.

5. Paragraphs (14) and (15) of my submission to the Productivity Commission are especially relevant. If we imagine an historian of the future - there has been a canard overcoming, say, and it is some years in the rear-vision mirror - can we not see a person who has concluded (with a sigh, possibly) that Mankind would have been lost without the canard? Therefore the more deliberate and cunning the canard was, the more medal-worthy it was? The historian may still be thanking their lucky stars, however, that the canard was eventually seen through so that a win for the team, so to speak, was able to be scored.

6. Invariably people point to tidal friction in order to justify the view that tidal energy is effectively infinite. However zero officials have shown me any willingness to consider that the energy of tidal friction comes exclusively from a planet's rotational kinetic energy. Actually gravitational potential can be perfectly conserved except when tidal motion energy changes from being translational to being in the form of rotational kinetic energy (as by turbine, for example). The alternative account of tidal friction seems to fit the evidence well.

7. There is a very interesting paragraph in the middle of page 580 of the Physics text quoted above. It begins by explaining that (to quote) "the temperature of a gas is related to the total

translational kinetic energy measured with respect to the centre of mass of the gas". The author then goes on to offer something of a lame defence for leaning on the centre of mass. True, the temperature of a gas in a container does not increase when we put the container on a moving vehicle. Nevertheless someone with an alternative derivation for the thermal ground frame can demand that we separate out a molecule's energy due to the velocity of its container. Heat is only a contributor to the kinetic energy of molecules once their container puts another contribution in.

8. The cartoon can be read from <http://www.skybicycle.biz/sandy.pl>

9. The new paradigm covers the gravitational red shift and the doppler effect by means of a model for photon generation in which an appeal is made to the idea that the photon's energy will exist in motion in the atom (supposedly in the electron cloud) for the term of a shaping session before it is dropped. Relativistic mass follows out of the theory of the standard clock, as does the mass-energy equivalence formula. Schrödinger's famous variation problem is spared its squeezing into a shape for Lorentz transformation invariance. The wave from this problem emerges as a real number related to the fundamental purpose I have discovered for the gravitational potential energy (see p. 11). This list still leaves off one or two items like time dilation but I see nothing yet to threaten the paradigm. Rather to the contrary, it seems to reverberate very strongly with some of the recent frontier discoveries

10. See *An Introduction to Atmospheric Physics* by David G Andrews, Cambridge University Press, ISBN 978-0-521-87220-1. The model outlined in chapter one is rendered very abstract by its failure to incorporate the gravitational potential energy of the atmospheric molecules. It also suffers from the roughness, pertaining to the equilibrium equation for the planet's surface, that I have discussed above (See p. 5). Later in the book, Andrews uses a simplified view of the radiation that he proposes is generated in the atmosphere. He sees the quantisation of a molecule's excited states as prefaced on a vibrational incapacity rather than upon the incapacity of the photon generating system. What makes the subject matter of heat capacity in gases so complex is that energy can probably be coming and going a bit from molecular kinetic energy into molecular vibrational energy. (See notes 14.3 and 14.4 below.)

11. The One News bulletin of 14 November, 2017, discussed the effect of an expanding Chinese economy on global CO<sub>2</sub> levels. In the story from the BBC, the BBC reporter said *'this new research finds that more and more carbon dioxide is being released from power stations, factories and different forms of transport and this matters because the gas traps heat in the atmosphere'*. Probably the Complaints Committee read my *Open Letter to Our Childrens' Trust*, (available from the Morepork's Newsroom, [www.skybicycle.biz](http://www.skybicycle.biz)) discussing the application of the knowledge of photo-acoustic spectroscopy. In the end they focussed on the claim of back-radiation. Indeed who would know? Such Kings New Clothes would not be visible to the unassisted ordinary human being, whether real or not. I was disappointed they could not look at the strong geographic skewing of the global warming whence to decide they were backing a sick horse.

12. The article cited by TVNZ was derived from the domain [earthobservatory.nasa.gov](http://earthobservatory.nasa.gov). The complaints committee quoted two very strident and unwavering paragraphs, including a lauding of the greenhouse gases with (quote) *'Without the greenhouse gases, the Earth would be a frozen -18 degrees Celcius'*. The proof is in the pyrgeometer, one supposes. How else was it ruled out that conduction and wind might do the trick of the warming blanket? Is there

a bit of crowing going on, and has the sound been distracting to the author of the webpage? Could they have forgotten something in balancing?

13. See, for example, *Introduction to Atomic Physics*, by S Tolansky, 1942, Longmans, Green and Co. In discussing the cluster formation that occurs when electricity is passing in a gas, the author remarks that 'at normal pressure a single molecule can make as many as  $10^{10}$  collisions during the two seconds'. The calculations behind such figures are treated in the textbook mentioned at note (2) above. The treatment in section 24.1 begins with the question of molecule's mean free path.

14. The Haisch and Niessner article was published in *Spectroscopy Europe* 14/5 (2002), pp. 10 - 15. Near the end of the introduction section, the authors state '*lasers are the preferred excitation source nowadays for two reasons: (i) the PT (photothermal) signal, to a first approximation, is proportional to the temperature rise in the sample and thus proportional to the absorbed energy ...*' In moving so quickly from the temperature rise to the absorbed energy, the authors have confirmed the impression I gained from the Physics text mentioned at note (2) above, to wit: In so far as there might be a statistics of war-by-battering it predicts that only very few molecules can survive with their vibrational excitation intact at room temperature and ordinary pressure. The introduction section of another paper, as cited below, deals with this competition in an excited molecule between the process of fluorescence and the process of state depopulation via molecular collision. There is a process of fluorescence, but it will take time, like the shaping session mentioned at note (9) above.

14.1 *Photo-Acoustic Spectroscopy in Trace Gas Monitoring* - paper by Frans J.M. Harren, Gina Cotti, Jos Oomens, and Sacco te Lintel Hekkert in *Encyclopaedia of Analytical Chemistry* R.A. Meyers (Ed.) pp. 2203–2226, copyright John Wiley & Sons Ltd, Chichester, 2000

14.2 The authors of the encyclopaedia article indicate a time-taking in the order of one hundredth of a second for the process of fluorescence. (They note the length of time may vary with environmental conditions.) Given such molecular collision rates as are widely accepted to apply, the could-be-fluorescing molecule must sustain a very large number of collisions, even though the time-taking to us humans may seem quite short.

14.3 With reference to note (10) above, one may indeed wonder: is the quantisation in molecular radiation due to the molecule's vibrational incapacity or instead to a constraint on the photon-dropping mechanism? If the latter then a very significant portion of the collisions at low temperature will likely take some of the excited molecule's vibration energy away. This makes it easier to understand how photo-acoustic spectroscopy works. However to be fair, one must entertain the idea that only a portion, less than one hundred per cent, of the excited gas molecules have their vibrational energies sucked away into heat. Possibly there is a remaining portion that give up their vibrational energies to radiation. If we have true vibrational quantisation in an excited molecule, there could be a statistics of war wherein the battered have an odds of surviving.

14.4 The shaping session mentioned at note (9) above in the case of an



emission associated with change of an electron's energy level in the atom must deal with a quantity of energy that has been determined by the atomic system. In the case of molecular fluorescence one may posit instead that the frequency of molecular vibration exerts a dominating influence, preventing the dropping system from developing any other beat. The dropper must wait until the energy builds because its beat development is defeated.

14.5 Use of 'military-grade' instruments should be standard practice in fluorescence studies. Have there been any that might shed light? I am working on an hypothesis that atmospheric back-radiation was unheard of before (say) 1984, the reason being that studies of earlier times were thought settling of some of the basic questions about the statistics of the battering war on excited gas molecules. My thinking is that modern Man suffered from an information overload. Into that groaning there was an obstinate, unfounded doctrine inserted. Those in the know found themselves forced to the outside. Feelings of resignation were mixed with a new enthusiasm. Campuses were down-converted. Possibly I have not yet assembled enough evidence for this hypothesis but surely I have made a case that science is not yet being open with the general public. Possibly it is not being open with itself. Science may be metamorphosing.

15. Opto-Electronics Review, **20**, no. 3, 2012, pp. 279 - 308

16. On the subject of pyrgeometer innards, both Apogee Instruments and Kipp & Zonen have recently had pyrgeometers for sale. The relevant owners' manuals could recently be procured online. The explanations found in these manuals do not satisfy me that the instrument is sound in concept. The concept of a difference between two signals seems to have been imported from the realm of electronics and voltages into the realm of radiant energies and thermal detectors without sufficient basis.

17. There are some indications available from searching online that, globally speaking, the tidal turbine lobby will be caught holding on to flimsy straws. Of course this is the sort of portent that could well be firmed up by some state-level enquiry prior to the launching of a proceedings. Among the indications I found was the EDF Group's web page on tidal power.

<https://www.edf.fr/en/the-edf-group/industrial-provider/renewable-energies/marine-energy/tidal-power>

17.1 The stated EDF posture (on web page) in relation to energy balance accounting was - "tides are a perfectly predicable phenomenon (unique for a renewable energy source), they are inexhaustible and carbon-free, and they have low environmental impact" (Quote)

17.2 We should be careful to distinguish between tidal recurrence (it is predictable that tides will recur) and the fitness of the energy extraction (it is not predictable that the extraction can be done without ill effects).

18. Thanks to YouTube

Submission to the Select Committee in regards to the Climate Change Response (Zero Carbon) Bill.

I am writing this submission with concerns in terms of this bill.

The first concern that I have is that some of the terms are ambiguous and should be more specific. The first is 'biogenic emissions'. I find the term to be quite unspecific. 'Biogenic' is defined as 'produced by living organisms', therefore 'biogenic emissions' could be defined as emissions from every living organism including human beings. Which organisms emissions are being reduced in this case? I do not see any specific organisms being referred to when discussing 'biogenic emissions'. Another term that must be made more specific is term 'long-term climate change trends'. What are the 'long-term climate change trends' that this Bill is intending to achieve? And how do you measure that you have achieved those 'trends'? The final term is 'climate change'. It is a scientific fact that the climate will always change. It has been documented that the climate has changed all the time and there is historical evidence to show this.

I am also concerned with the lack of a plan of action if the targets are not met by 2050. If our targets are not met by 2050 then we will suffer from the environmental problems predicted and that this Bill was designed to prevent. The only response that this Bill offers is a discussion and inquiry. However, the intention of this Bill is to provide a framework for creating policies to solve the climate change. The assumption being that we should have gone past discussing possible solutions and begun the process of implementing solutions to those problems. I would have thought that using this Bill, by 2050 there would have been policies implemented to meet those targets and policies available if those targets are not met by 2050.

Another concern is that the Bill will create an independent committee. But the independence of the committee means that there will be no accountability if the policies and solutions suggested by this committee do not work. Also the independence means that the policies they draft will exclude the input of other government departments that could be impacted until they are introduced in Parliament. I am aware that the Committee will be given powers to consult different experts, but I am concerned that an independent Committee given those powers because they could bring in experts who contradict the advice of the experts consulted by other government departments, and therefore there would be a conflict over solutions.

This Bill is based on the assumption that climate change is a scientific fact. But I am skeptical of the evidence that is put forward. First we should not be basing our decisions on scientific consensus. Consensus is not a scientific measure for truth. It is simply a measure for how many people believe a theory but that doesn't mean that the theory is valid. For example, during the 1500's, the scientific consensus was that the Earth was flat, does that

make it true? Also, the study that documented this consensus was subject to criticism from subsequent peer reviews for its collection method and sample size. (Tol) (Legates et al) There is skepticism over whether CO2 levels and the temperature is rising. One study has suggested that in fact the co2 emissions are actually slowing down due to the increase in vegetation. (Keenan et al) There is skepticism over whether the co2 emissions and rising temperature are harmful for the environment with one study suggesting that increasing levels of co2 and heat are beneficial to the environment because it can increase vegetation due to accelerated co2 fertilization. (Zhu et al) It is predicted that the Antarctic ice will shrink but a report from NASA indicated that the ice is gaining. (Vinas) As for the fears over the shrinking glaciers, in reality that is to be expected because the size of the glaciers are constantly fluctuating. This is usually an indicator of the wavering solar radiation due to the axis of the Earth changing resulting in its poles varying in it's distance from the sun. This has been used to explain the rising co2 emissions and the greenhouse effect. These glaciers are even used to measure time in which the periods when glaciers are at it's prime are called 'glacial periods' and periods when glaciers decline called 'inter-glacial periods'. During 'glacial periods' the glaciers will trap co2 underneath it which will weaken the greenhouse effect, which will cool the atmosphere. But during 'interglacial periods' the decline of the glaciers will release those co2, strengthening the greenhouse effect and hereby heating the atmosphere. The reason that the temperature of the atmosphere is rising is because we are in an interglacial period called the Holocene period. (NOAA)

It is for these reasons that I oppose the Bill in its current form. I would recommend further review, debate and amendment of the Bill. The intentions of the Bill is too ambiguous, I am concerned by the fact that there is no contingency in the Bill if the targets are not met by 2050, an issue such as this should not be handled by an independent Committee unaccountable to nobody and there should be more debate over the science behind this Bill.

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