



Manmade Climate Change;

A framework for a comprehensive solution

Introduction

What will it take to stop mankind's relentless march, if not all out race toward climatic and environmental chaos as a result of manmade climate change?

To address this quandary the enclosed document argues that the behavioural ideology of the human species itself is at the heart of the problem. Furthermore, it contends that unless we change that ideology our relentless march toward total environmental chaos will continue and will be otherwise unstoppable.

Accordingly, the document lays out a comprehensive plan to tackle this vexing problem while establishing a framework to achieve human environmental sustainability and hopefully before manmade climate change gets a chance to overwhelm us.

The document itself initially takes the reader through the framework for the solution including an introduction to it, the rationalization for it, the philosophy of it, the scientific facts behind it and the time constraints for the solutions implementation. Appendices contain supporting and background information.

The plan itself details the human behavioural changes necessary to realize the solution, the international and national efforts necessary to execute it and what we can and must do from home. The plan culminates in detailing how the various religions and other interest groups can help.

Further to the above and in recognition that the term **Naturism** is synonymous for the concept of environmental sustainability, the document is therefore named accordingly.

The author of the document is Jim Sampson who is a retired economist, business entrepreneur and environmentalist and published author of the novels 'The Genesis Enigma' and 'The Apocalypse Rising' that dramatized the catastrophic consequences of manmade climate change.

Naturism

To combat manmade climate change

*'It takes a change in human thinking
....to get a change in human behaviour.'*

Prologue: A framework for a solution

You don't have to look too hard to find evidence of mankind's trail of environmental degradation. On land, in oceans, rivers and seas and in the air the evidence is everywhere. If that is not bad enough then there's manmade global warming and if that is allowed to continue it will beckon an environmental and human catastrophe of biblical proportions. We know what the direct cause of that is...we have known that for 40 odd years. We even know how to stop it, but there lies the problem. We haven't to date, we're not now and in fact, we've allowed the problem to get even worse. The question beckons. What will it take to stop mankind's relentless march, if not all out race toward climatic and environmental chaos as a result of manmade climate change?

To address this quandary the enclosed document contends that it is the behavioural ideology of the human species itself that is at the heart of the problem and that until we change that ideology our relentless march toward total environmental chaos will continue and will be otherwise unstoppable. It also argues that mankind's window of opportunity for change is narrowing by the minute before the world's financial resources available to combat manmade climate change, and humanities morale fibre to implement the necessary reforms to address it are totally consumed by the collateral damage and human misery caused from it.

Furthermore the document contends that the basic ideological change in human thinking and behaviour that is necessary is twofold: we cease to consider that our society's economic growth is the sole barometer of its success; and secondly that we change our basic thinking from being far less obsessed in what we each individually want, to thinking and doing far more about what is environmentally sustainable and what we each justifiably need.

The evidence of the necessity of that reality realignment is simple. Mankind is in flagrant violation of one of the most fundamental and universal laws of nature that underpins all of life forms behaviour. This law or ideology stipulates the truism that *all life forms strive to act in unity with nature and their fellow species to enhance the environmentally sustainable quality of their existence while promoting prospects for their future generation's survival.*

Yet in blatant contrast to this, mankind is openly defying that law. Clearly, we're not striving to act in unity with either nature, or each other to enhance the environmentally sustainable quality of **our** own existence, let alone promoting the prospects for our future generations' survival. Furthermore, the document lays out the damning evidence supporting this that is exemplified in our current inept response to manmade climate change, our environmentally criminal consumer orientated behaviour and in our relentless pursuit of sectarian division and violence.

Further to the above, there also appears to be no single, unified and global voice unmasking the complex human behavioural causes behind manmade climate change or offering a plan to tackle them or even stressing mankind's need to act urgently to address those crucial issues. As a result of this and in recognition that the term **Naturism** is synonymous for the concept of environmental sustainability, it seems appropriate that that term would serve as an apt rallying call for urgent action and accord to rectify those human behavioural causes.

Authors Footnote

Please note that this document was not written, nor is meant to be read as the complete and comprehensive plan to combat manmade climate change..... but merely the stimulant for a start.

Furthermore, please note that all statistics quoted in the document are not meant to be taken as absolutely accurate, but rather rounded figures for ease of reading.

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Part A

Toward a Solution

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1 Objective: Toward a Solution

The objectives of this document are firstly to promote the importance of placing human environmental sustainability at the forefront of all human endeavours and lifestyle behaviour. Secondly to demonstrate that it is mankind's lack of consideration for environmental sustainability that is the root cause of manmade climate change. And finally, to lay out the framework for a comprehensive plan to effectively combat manmade climate change and attain lasting human environmental sustainability.

Furthermore, should the above objectives be reached fast enough to significantly reduce future human greenhouse gas emissions then maybe humanity can avoid an otherwise inevitable environmental and human catastrophe of biblical proportions. And after all, it is one thing to be confronted by a catastrophe from a natural or cyclical climatic event; but it's another to be confronted by a catastrophe from a manmade climate event that could have been otherwise totally avoided.

2 Rationalization: For the solution

The evidence is clear that manmade climate change is the greatest threat to existing life forms that our planet has faced since the onset of the last ice age. It is also clear that mankind's grand philosophies or ideologies that he has upheld to date as the basis of the framework for our social fibre and economic development haven't worked. The evidence of that is also clear, for if they had we would not be facing the catastrophic threat from climate change that we are now all confronted with today. Sure, we've tried plenty of different 'isms' and have countless religions but each of them promote sectarian interest and division while some even endorse violence. Alarmingly none signify or glorify our kinship with nature and crown a common purpose for all of mankind in protecting the environment that we all live in; and is that not what the key duty of all life forms is!

3 The Philosophy: Behind the solution

Naturism is a moral and ethical doctrine that stems from a fundamental law of nature and stipulates relative to mankind that *all of humanity should strive to act in unity with nature and each other to enhance the environmentally sustainable quality of their existence while promoting the prospects for their future generation's survival.*

This is not a new philosophy of life but rather a very old one. Indeed, it is the basis of the fundamental philosophy directing all life forms behavior and was upheld by mankind up until he first domesticated agriculture and wild creatures some 10,000 years ago. Thereafter he began to ignore it. From that point in time on he has tried many alternate philosophies of life, Monarchism, Feudalism, Socialism, Communism, Totalitarianism, Fascism and even Jihadism and many, many more including our very own Capitalism.

While the concept of capitalism, free enterprise is sound in practical terms its philosophy is flawed because it too ignores that fundamental law of nature. The damning evidence of this is clearly abundant in that it encapsulates economic growth as the sole measure of its success, greed at the heart of its moral fiber. It supports the manipulation of money as the blood flow in its veins, promotes consumerism as its driving force and values material worth as the only gauge of an individual's success. All of this undoubtedly spells a death blow to the environment and if our habitable environment collapses so too does our way of life along with our social order.

But then the question looms. Can capitalism survive in its present form if its goals were changed to conform to that fundamental law of nature? Can it endure if environmental sustainability is the sole measure of its success; conservation is at the heart of its moral fiber. Consumer restraint, humility and environmental responsibility are its driving force while modesty and prudence is the sole gauge of an individual's success. Moreover, these are the very values that will be necessary if we are ever going to successfully combat manmade climate change and attain human environmental sustainability. Obviously, it is inevitable that this transformation of our values toward a common purpose for the protection of our environment and away from greed, corruption, rampant consumerism, economic and ecological vandalism, human violence and religious and racial paranoia and fanaticism will pose a major challenge. It will not only test our collective moral resolve but will also be a daunting challenge for our economists, industrialists and all of our government leaders as well. It can now only be hoped that we will be successful both individually and collectively and that capitalism can adapt to that universal law of nature and epitomize environmental sustainability.

In summary our current concept of capitalism has achieved great success to date but has proven totally incapable of protecting our environment. In fact it has encouraged the destruction of it. Moreover, in an endeavor to reverse that catastrophic direction and affectively combat manmade climate change we need to urgently realign our global ambitions and directions. These must be aimed toward only environmentally sustainable economic progress and away from our individual behavior patterns of unbridled consumerism, self-interest and in our relentless global pursuit of sectarian interests and violence along with unbridled propagation,

The consequence of failure to achieve this is horrific. We would be effectively choosing to throw our grandkids under the bus to protect our ever-inflating lifestyles, or whatever else we're been fighting over or arguing about. What's more our grandkids will know about our negligence a lot sooner, rather than later and will judge us harshly and accordingly. I for one refuse to be a part of that and if you feel the same...***make your voice heard, your authority influence, your actions effective and your vote count*** in combating the greatest threat to face mankind since the onset of the last ice age.

Naturism in the words of romantics

.... trying to emulate our hunter gather forebears like the Australian Aborigines, American Indians, African Bushmen, Siberian Inuit and pigmies who respected their ancestral bonds with nature and their fellow man and set their goals of life accordingly

.... for mankind to strive to act no more or less than any ant's nest, beehive, migrating buffalo herd, bird flock, whale herd or primate species in their relationships with nature and their fellow species.

.... it is only when all of mankind unites as one and is in arm in arm with nature can he reach and triumph over the stars.

For the history of mankind's path toward manmade climate change see **Appendix A pg. 40: 'In the carbon footsteps of mankind'** and for statistical data see **Appendix F, pg. 49: World population and emission growth 1800-2014.**

Then the next question beckons. How the bleep can we change mankind's behavioral ideology away from consumerism and direct our economies toward environmentally sustainable progress without collapsing the system?

4 The Road: Toward sustainability

4.1 Overview

It is neither an easy task, nor a fast one to redirect mankind's behavioral ideology away from consumerism and simultaneously direct our economies toward only environmentally sustainable progress without collapsing the system. However, if we are ever to effectively combat manmade climate change and achieve human environmental

sustainability, that's exactly what we are going to have to do. Furthermore, attacking the problems will be as much a psychological one as an action one and as such each area requires some degree of clarification in laying out a framework.

This section is fully expanded in detail in **Part B: The Plan; National Efforts (Australia) Page 26: What has to be done?**

4.2 Consumerism V restraint: 'need' not 'want'

The problem in changing the consumer motive of the human race is more of image changing rather anything else. Effectively we all have to change our image from being creatures who primarily care only about our individual '**wants**' and how and when we can satisfy them, to creatures who primarily care about what is environmentally sustainable and what we each justifiably '**need**' ...and what's more we have to learn to be candidly proud of being prudent and selfless rather than being subject to whims or self-centredness.

Moreover, changing our image also implies changing our approach to our goals in life. We must learn to think far less about our material worth as the gauge of our happiness and success and think and act more toward restraint, humility and modesty as our goal and gauge of success. That is to present, feel and project ourselves as more of a humble, caring and giving creature rather than a taking and wanting one...and meaning it. Ostentatious, wanting and taking have to be replaced with prudence, caring, giving and concern for nature and each other along with everything else around us. What's more it's got to come from the heart and mind not as a pretence, pose or fabrication. Don't try and impress people with what or how much you've got or by showing off your latest acquisition. Impress them with who you are in being prudent, mindful and considerate and in harmony with yourself, nature and everybody else around you. Display self-confidence and self-control in not needing 'props. Wanting, impulse and need for 'props' is a sign of weakness or environmental recklessness.... not a sign of strength, success or quality of character. After all human luxury is now a luxury that Mother Nature can no longer afford.

Listed below are a few basic examples in the types of decisions and changes in our behavioural attitude that we have to make. Instead of currently: -

- Buying a new car because it 'looks' good' or we'd 'look good' in it, as a status symbol or because somebody else has just got one.... buy a new car because it's more efficient and suits our needs better.

Furthermore, for all motor vehicle advertising to reflect this image rather than the other way around;

- Partly filling the kettle instead of filling it.... if you only want one cup of coffee;
- Learning to repair apparel and consumer goods instead of throwing them out after their first blemish. Also don't be so fashion fastidious;
- Instead of seeing a consumer item and thinking 'I want that'...look at it and think 'Can I do without it', or alternatively 'what the hell do I need that for'.

.....and. and, and....think far less about what you **'want'** and far more about what you justifiably **'need'** or better still.... why and how you can do without it. **Justify any purchase with a 'need' test** for your approval...**not a 'want' test**. Be proud that you can exhibit self-control with your consumer spending and show it by projecting that image as the only sociably acceptable behaviour that you deem appropriate. **And just remember every time you purchase a product or use a service you increase your carbon footprint.**

Consumer credit

Credit cards and ATM's have revolutionised our availability to funds and offered us added security knowing that we can access funds or goods readily, and 24 hrs a day. That's good.... but there are huge downsides, for example:

- Consumer debt is now massive and endemic;
- The availability of consumer credit has encouraged **'impulse'** spending and **'wants'** to surpass **'need'** as the tipping point for our purchases and after all impulse purchases are often the source of regret and conflict and satisfying **'wants'** is only a sign of greed or lack of self-control;
- Just look at the massive amount of unwanted and discarded Xmas presents;
- Savings are being gobbled up on bank fees associated to consumer credit.

So, treat your credit cards as your front-line fight to reduce your consumer spending and in so doing help the fight against climate change.

For further information see **Appendix A pg. 40: 'In the carbon footsteps of mankind'**; and in particular the section titled **Mankind the consumerist** pg. 43-44.

Important additional facts

- **Consumer waste is now endemic with approx. 30% of food products discarded and recycling a mere fraction of what it could be;**
- **While changing our consumer ideology in the developed world is vital in combating climate change. It is also vital for health reasons. For example, obesity and diabetic conditions are now spiralling out of control;**
- **Australians are one of the very highest per capita greenhouse gas emitters in the world.**

4.3 Environmentally Sustainable Growth

Overview

For governments to refocus their economies on environmentally sustainable economic progress implies exactly what it says. That is that all development; industrial, commercial and residential to encapsulate energy independence and conservation in both their construction and potential use to the highest standard allowable under the green technology available.

For example, in any new residential housing estate all construction works to comply with the highest green technology available even down to the equipment used. Moreover, that every dwelling built, and the common grounds designated within the site to encapsulate energy independence and environmental conservation to the highest level that the latest technology permits. What's more don't wipe out the existing habitat before you start, blend in with it.

Furthermore, that all aspects of existing industry, commerce and residential housing, whether owned or rented to be directed to achieve the same environmentally friendly standard within a specified time frame and for the government to significantly assist in the financing to achieve that end.

For further information see **Part B, sec. 3 National Efforts (Australia), pg. 28 item 5; Environmentally Sustainable Economic Development Scheme, andpg. 28, item 6: Motor Vehicle Replacement Scheme.**

Specifics

The whole logistical problem of the growth of coastal cities has now become an environmental nightmare.... what's more its worldwide. To address this issue the government should undertake the initiative and

encourage large scale economic development similar to the New Deal or even Russia's five-year plan and decentralize to areas that are highly suitable for environmentally sustainable human presence. That suitability would also have to be applicable to include, energy, industry, commerce, residential housing and the availability of resources.

An example of such a potential undertaking is covered later in the document under **Part B section 3: National Efforts (Australia)** pg. 30, item 20; **Decentralization**.

Then the next question beckons: who has and is creating manmade climate change.

4.4 Global population

Global human population has dramatically risen since the beginning of the industrial revolution. This is the direct result of both a general advancement in medical care, agricultural productivity etc. and living standards as a result of accelerating industrialization. However, it is sufficient to note here the key facts: -

1. There are currently **7.7** billion humans on this planet with our population increasing by approx. **210,000per day**;
2. There are two things that we all have in common. Firstly, we all want a lifestyle that avails us a modern style home with electricity, up-to-date appliances, and a job along with a vehicle, physical and financial security and appropriate infrastructure to boot. Secondly, we all contribute to greenhouse gas emissions, but the level of our emissions is totally dependent on the level of our lifestyle reached. That is whether we have, or have access to electricity, a vehicle, a modern style home, appropriate infrastructure and our individual consumption levels etc.
3. Currently only approx. one third of the world population have reached that desired lifestyle but that number is rapidly rising by the day as evidenced by China and India's economic development over the past 20 years. The disparity of CO² emissions per person per lifestyle is **extremely significant** in any plan to tackle climate change and can be best exemplified by comparing a few individual countries that represent the three tiers of economic progress. Those tiers are categorized as the developed, developing and underdeveloped world's economies. An Aussie or U.S. citizen for example emits an average of approx. 25 tonne of CO² p.a. with their rate relatively stable. On the other hand, a citizen of China emits an average of approx. 9 tonne p.a.

and their rate is rapidly rising while a poverty stricken African emits less than 1 tonne p.a. and their rate is relatively stable;

4. Medical advancement has significantly reduced the infant mortality rate and increased human life expectancy effectively elasticizing the human population and this trend is likely to continue albeit at a slower rate e.g. with a cure for cancer. Similarly, the elimination of poverty and starvation will further elasticize the population as evidenced by China and India's population growth over the last 40 years. That elasticizing of the human population is a contributing factor to the overall growth rate since industrialization and is reflected in the astonishing growth of our population from 2 billion to 7 billion in just over 100 years;
5. The number of humans that are subject to poverty, refugee status, deprivation from conflict and even starvation are rising at an alarming rate.

Therefore in any workable plan to combat manmade climate change, it is not only the amount of greenhouse gasses that any one of us individually (or collectively as a country) causes to emit that is the source of the problem, but also the total number of us who are emitting.

For further information see **Appendix A**, pg. 40; **'In the carbon footsteps of mankind'**; also, statistical data on **Appendix F**, pg. 49; **World population and emission growth 1800----2014**.

4.5 Summation

It is going to be a monumental task indeed to redirect mankind's behavioral ideology away from consumerism and simultaneously direct our economies toward only environmentally sustainable progress without collapsing our economic system. But the alternative of success is daunting yet also vividly clear. Effectively we either comply to the demands of environmental sustainability **now** or comply to the whims of Mother Nature's wrath tomorrow. What's more, and to emphasize the urgency to act; it appears Mother Nature's tomorrow has already begun with countless floods, droughts, severe storms and forest fires already ravaging the world with ever increasing ferocity, rapidity, human misery and economic and ecological cost.

Furthermore and hopefully as this document demonstrates; it will be only after the environment is viewed and weighted well above that of profit, economic growth, our seemingly insatiable consumer appetite and our relentless want to proliferate can we ever expect to reach out and hopefully attain human environmental sustainability.

Then the next question looms. How critical is the climate change problem and how long have we got to fix it before climatic catastrophes overwhelm us?

5 Scientific facts: In short

It is important to note at the start of this section that there is a clear distinction to be made between manmade climate change and earth's natural and/or cyclical climatic events. That distinction is that the former is directly attributable to mankind's intervention and/or action while the latter is directly attributable to Earth's natural events. Those natural events are as diverse as they are numerous and include volcanic activity, tectonic plate movement, the sun's radiation cycle, the earth's orbital cycle, the earth's tilt and warble cycles and many, many more. However, for the purpose of this document the clear distinction is made that it is one thing to be confronted by a catastrophe from a natural or cyclical climatic event; but it's another to be confronted by a catastrophe from a manmade climate event that could have been otherwise totally avoided.

However, in the interest, speed and ease of reading and for the purpose of getting a handle on the following plan to tackle *manmade* climate change, it is sufficient to note here the key facts that:

- Our planet is **acutely heat sensitive to the amount of greenhouse gasses contained in its atmosphere** and human greenhouse gas emissions have been steadily rising since the advent of the industrial revolution.
- At the current rate, human greenhouse gas emissions amount to approx. 40 billion tonne of CO² p.a. which is roughly 60% above the 15 billion tonne p.a. that our natural carbon sinks (oceans, forests and soils) can absorb without becoming toxic. What's more, all emissions above what the sinks absorb are accumulated and held in the atmosphere and over the course of years well over 3,000 billion tonne of CO² has accumulated in the atmosphere creating global warming. This has resulted in and is the source of escalating climate change, a deterioration of the earth's natural environment and a rapidly degenerating biodiversity of life that results in fracturing the world's essential food chain.
- At the current rate of human greenhouse gas emissions, the average temperature of the world is expected to rise by up to 6° C this century where the average is approx. 15° C. What's more the average temperature of the world has already risen approx. 1° C and the speed of climate change is predicted to accelerate dramatically if human emissions are not significantly reduced immediately. Please note that a 1C increase in

average world temp represents a 7% increase in **your** temperature at home, 2C a 13% increase and 3C a 20% increase (i.e.3/15). That is if your temp at home is 35C now then with a 3C increase in average world temp you can expect your temp that day to be approx. 42C.

For more detailed information see **Appendix B: pg. 44; Scientific Facts; In short.**

6 Time Frame: The ticking clock

Again, in the interest, speed and ease of reading it is sufficient to note here that there are many tipping points along the climate change road toward total chaos. However the initial key tipping point is that time is now running out fast before the world's financial resources available to combat climate change and mankind's moral fibre to implement the necessary reforms to counteract it, are totally consumed by the rising cost of damage and human carnage caused from it.

For more detailed information see **Appendix C: pg. 45; Time Frame; The ticking Clock.**

Now there is only one question left. How can we combat manmade climate change and attain human environmental sustainability without economic collapse?

Part B

The Plan;

Tackling Manmade Climate Change

1 Enormity of the problem

- 1.1 Primary complexities
- 1.2 Secondary detrimental affects
- 1.3 Summation

2 International efforts

- 2.1 Status Quo...Doing a Nero
- 2.2 What has to be done.
 - 2.21 World human population
 - 2.22 World economics and growth
 - 2.23 World Sectarian division & violence

3 National Efforts (Australia)

- 3.1 Status Quo; A case of sitting on hands
- 3.2 What has to be done.

4 What you can do now, and at home

- 4.1 Broadly
- 4.2 Specifically

5 How religions can help

6 Other interest groups

1 Enormity of the problem

1.1 Primary complexities

While the global challenges to successfully combat manmade climate change are immense as set in detail in part A of this document, the underlying facts and parameters can however be condensed and summarized as follows:

1. There are currently **7.7** billion humans on this planet with our population increasing by approx. **210,000 per day**;
2. The number of humans that are subject to poverty, refugee status, deprivation from conflict and even starvation are rising at an alarming rate, so too is global warming;
3. Medical advancement has significantly reduced the infant mortality rate and increased human life expectancy effectively elasticizing the human population and this trend is likely to continue albeit at a slower rate e.g. with a cure for cancer. Similarly, the eradication of poverty and starvation will further elasticize the population as evidenced by China and India's population growth over the last 40 odd years. That elasticizing of the human population is also reflected in the astonishing growth of our population from **2 billion to 7 billion** in just over 100 odd years;
4. **While the Earth's atmosphere is extremely heat sensitive to the level of CO² content**, currently approx. 40 odd billion tonne of CO² is emitted by humans p.a. of which 15 billion tonne can be absorbed by the earth's natural carbon sinks (oceans, forests and soils) with the remaining 25 billion tonne being accumulated and held in the atmosphere or in excess acidification of the oceans. Over the course of years, so far well over 3,000 billion tonne of CO² has progressively built up in our atmosphere creating increasing global warming. This has resulted in, and is the source of escalating climate change, a substantial deterioration of the earth's environment and a rapidly degenerating biodiversity of life that results in fracturing the world's essential food chain;
5. There are two things all humans have in common. Firstly, we all want a lifestyle that avails us a modern style home with electricity, up-to-date appliances, and a job along with a vehicle, a family, security and appropriate infrastructure to boot. Secondly, we all contribute to greenhouse gas emissions, but the level of our emissions is totally dependent on the level of our lifestyle reached.

That is whether we have, or have access to a modern style home, electricity, a vehicle and our individual consumption levels etc.;

6. Currently only approx. one third of the world's population have reached or are close to reaching that desired lifestyle but that number is rapidly rising by the day as evidenced by China and India's economic development over the past 20 odd years. The disparity of CO² emissions per person per lifestyle is **extremely significant** in any plan to combat climate change and can be best exemplified by comparing a few individual countries that represent the three tiers of economic development. Those tiers are categorized as the developed, developing and undeveloped world economies. An Aussie or U.S. citizen for example emits an average of approx. 25 tonne of CO² p.a. with their rate relatively stable. On the other hand, a citizen from China emits an average of approx. 8 tonne of CO² p.a. and their rate is rapidly rising whereas a poverty stricken African emits less than 1 tonne p.a. and their rate is relatively stable;

In Summary: The reality of the problem; -

1 On the one hand: If all of the world's population emitted as much CO² as us Aussies or the Yanks do at present, then total emissions would be **180** billion tonne p.a. instead of the current **40**. This undoubtedly would skyrocket climate change and render human life untenable. This is because the world's carbon sinks (i.e., oceans, forests and soils) can only absorb about **15** billion tonne p.a. with the rest accumulating in the atmosphere creating further global warming or accumulating in the oceans creating further acidification. Therefore the only thing stopping the world's environment from collapsing at present from escalating global warming is that the bulk of the world's population either lives in absolute poverty or lives well below an acceptable living standard and the continuance of that is neither right, just nor acceptable. Alternatively, should we continue to develop all our economies and increase average global living standards without reducing the world's per capita greenhouse gas emissions then ultimately global warming will skyrocket. This will undoubtedly render human life untenable;

2 Conversely; If the world's combined carbon sinks are only capable of absorbing **15** billion tonne of CO² p.a. and our human population is **7.7** billion, then to effectively counteract manmade global warming **today** (only emit what our carbon sinks can

absorb), **average human emissions could only be approx. 2 tonne of CO² per annum.** This alternate scenario would therefore require reducing the developed world's greenhouse gas emission by 90% to 2 tonne of CO² per person p.a. which happens to be, by chance approx. the same amount the combined developing and undeveloped world currently emits. However, apart from being totally impossible (because the developed countries couldn't achieve it and wouldn't want it) all it would unfortunately accomplish is to render the entire human population impoverished and potentially all in dire need as well;

3 Therefore; These alternate scenarios clearly demonstrate that reducing existing human greenhouse gas emissions **by itself** (i.e. not affecting other variables like population control, consumer habits etc.) will not counteract manmade global warming because that would require rendering the entire world population impoverished and the developed and developing countries won't want that, nor could they achieve it. Nor will it make way for any meaningful increase in living standards in the undeveloped world. This is because if we are to counteract global warming **today** the entire world would have to be rendered impoverished and at that point there is no room to have higher living standards for anybody **without** creating further global warming (i.e. emitting more greenhouse gasses than what the combined carbon sinks can absorb);

AND in addition to the almost insurmountable difficulties as outlined above, there is also an extra **210,000** humans per day, **every day** who will either have that desired lifestyle (and emissions) from birth, or want a better lifestyle (with more emissions) as soon as they can get it if they're born into an underprivileged family;

PLUS, there is a restrictive time frame to implement any solution. That time constraint is that the window of opportunity for change is narrowing by the minute before the world's financial resources available to combat climate change and humanities moral fibre to implement those reforms to counteract it **are totally consumed by the collateral damage and human suffering caused from it.** The rapidly rising incidents and cost of Aust. and U.S. storms, floods and bushfires being typical of the world cost of degenerating weather events.

For further detailed information see **Appendix F: pg. 49: World population and emission growth 1800----2014.**

1.2 Secondary detrimental affects

- While International attention is focused on the seemingly endless sectarian violence engulfing the world, it is virtually impossible to get world consensus and solidarity focused on the common enemy of climate change. Yet in a few short years all of the world's current sectarian division and violence may be rendered meaningless when all of those involved in conflict are confronted by the enormity of cost and carnage from the common enemy of climate change. Their fight at that point will be focused **only** on their survival. For more information see **Appendix D**, pg.46; **Sectarian Division and Violence**.
- There are numerous National and International corporations who have a vested interest in, and the money to back downplaying the manmade climate change issue. This makes it very difficult to get the world focused on the importance of counteracting the problem and implementing solutions. Those vested interests are using the same approach as the tobacco and asbestos industry did in that they are publicly refuting or downplaying any or all of the vast scientific evidence supporting the existence and size of the problem. Thankfully for us, ultimately the tobacco and asbestos industries approach failed, but it did delay addressing the many health issues resulting from their products use that caused seemingly endless suffering and death.

For more detailed information see **Appendix E**, pg.48: **Downplaying the danger; A case in common: The petroleum, coal, tobacco and asbestos industries**.

1.3 Summation

In summary, the problems in combating manmade climate change are truly immense and are the underlining reason why the developed, developing and underdeveloped countries are having so much difficult in agreeing to who and by how much should each country, or category of countries have to reduce their emissions. Should it be the Yanks, the Chinese or the poverty stricken Africans....and by how much?

While in the advanced countries at the backyard barbeque level we keep hearing. If only we.....

Discovered electricity and solar energy first....

Controlled our population growth earlier....

Thought about what we were doing to the environment yesteryear

Then there's the **big one**. If only we'd done something about it before.

In a nutshell, we didn't then; we haven't yet so now there are only hard choices left. Effectively we either or both have to get the carbon footprint of the 2.4 billion 'haves' down enormously to allow the 4.8 billion 'haven't yet' category to raise their living standards and/or....more than halve the world's population; and we know we can't do that. Compromise has to be reached and is more than likely going to necessitate the developed world having to substantially reduce their emissions; the underdeveloped world having to substantially reduce their population, and the developing world having to do a fair bit of both. But even then, targets are only that.

However, there is one very worrying fact that will help persuade us to attain any targets imposed. If we don't fix the problem now as painful as those solutions may be, Mother Nature surely will....and that pain and suffering will be totally indiscriminate, monstrous, relentless and above all overwhelming.

2 International efforts

2.1 Status Quo....Doing a Nero

While there is still some debate over whether Nero did in actual fact play the fiddle while Rome burnt, the saying seems to be appropriate when discussing international efforts to date in combating manmade climate change.

However, as time is now running out fast it is imperative that an international agreement is reached on setting global and flow on national greenhouse gas emission reduction targets. Unfortunately, all the International conferences on climate change to date have failed with the major stumbling block being determining which countries, or category of countries should shoulder the burden of the reductions that are necessary.

This is a classic case of the 'blame game' in trying to determine whose fault it is, and therefore who should fix it but with time now critical compromise must be reached. This may require some countries having very high reduction targets, others medium, some low, others frozen while even some having potentially higher allowable levels begged. But let's not wait until the world is engulfed in climatic chaos before the pain suffered in financial cost and human misery precludes any effective action. That will be far too late. Time for consensus and action is **now**.

2.2 What has to be done?

Overview

While the world's experts in each field from the U.N. and other International bodies would be required to 'bang heads' on the subject of attaining world **human environmental sustainability**. Some suggestions as 'food for thought' can be made toward the key topics of: -

- * **World human population**
- * **World economies and growth**
- * **World sectarian division and violence**

What is clear is that affirmative action will have to be taken quickly to address **all three** of these areas.

2.21 World human population

This is possibly the hardest of all controls to implement with religious doctrine, freedom of actions, right to propagate consideration and many, many more all having a vested and very vocal interest. What is clear is that regardless of the strictest controls on greenhouse gas emission, the world's environment let alone resources cannot sustain the human population growing at the current rate of approximately a billion every 10 years. Something has to give; **and what is the point of placing reduction targets on the quantity of greenhouse gas that we each cause to emit, if we don't place reduction targets on the number of us who are emitting.**

This cannot be better demonstrated by the fact that if the world's combined carbon sinks (oceans, forests and soils) can only absorb **15** billion tonne of CO² pa without becoming toxic and our population is **7.7** billion, then to effectively counteract global warming each human would only be permitted to emit approx. **2** tonne of CO² per year. This would affectively require reducing the developed world's greenhouse gas emissions by approx. 90% which apart from being totally impossible (because the developed countries couldn't achieve it and wouldn't ware it), all it would unfortunately accomplish is to render the entire human population impoverished. Yet our population is still growing by **210,000 a day, every day**. For more detailed information see **Appendix F**, pg.49; **World human population and emissions growth 1800----2014**.

It goes to flow from this that a world panel of experts should be set up under the authority of **The World Health Organization** to ascertain a targeted sustainable world human population. This could be based on the

world's total environmentally sustainable greenhouse gas emissions divided by the budgeted greenhouse gas emissions that **could** be attainable for an acceptable living standard being applied to all. This will determine the human population that the world's environment could sustain with efficient greenhouse gas emitting energy sources, human constraint and after eliminating poverty. This project could be termed **Global Family Planning**.

These figures will undoubtable show that the world's environment cannot sustain the current 7.7 billion human inhabitants let alone support further population growth. That is without having either massive poverty and escalating climate change as evidenced by where the world stands today or massive poverty and massive climate change which is where the world is heading for tomorrow. So, what could be done: -

- 1 Encourage the introduction of a global 2 child policy for every female and empower them with the right to life. Furthermore, for all countries that are in constant need of aid or have a living standard below a minimum level; a one child policy to be implemented. The rationalisation for this is that **quality of life** is far more important morally than **quantity of life** and poverty and starvation have to be eradicated along with global warming. What's more, if we can limit the spread of diseases in the world through The World Health Organization; why can't we limit the spread of our own population?
- 2 The worldwide provision of free birth control and tax incentives, and/or yearly bonuses for all women within a limited age group who don't give birth each year i.e.; compensating women for **not** having children instead of having them;
- 3 Create an international adoption agency that would discourage human trafficking and poverty on the one hand while offering tax incentives for couples in advanced countries who elect to adopt instead of self-propagating. Furthermore, that those adoptions to be directed to, and financially assist underdeveloped countries that support rigid population control;
- 4 Support globally legalised voluntary Euthanasia for the old, sick or dying. The rationale again is that **quality of life** is far more important than the **quantity of life** and forcing the continuance of life against a person's will and dignity is both cruel and morally wrong;
- 5 Offer financial incentives to encourage environmentally sustainable economic development in countries or regions where

living standards are below the minimum level and link that to ridged population control as a precondition;

- 6 Link international trading blocks and trading partners to the precondition of ridged population control.

2.22 World economies and growth

Broadly

For the U.N. and all international bodies to encourage the redirection of all of the world's economies away from relying on and promoting consumerism as their driving force and toward encouraging environmentally sustainable economic progress. Please note that the main economic thrust in combating climate change must come from the National level, and below along with each one of us individually. Accordingly, this topic is more comprehensively detailed in those relevant sections.

Specifically

For the U.N. and all international bodies to encourage: -

- 1 The world's economies to be redirected to place environmental sustainability at the forefront of all government's policies. Furthermore, for the U.N.'s Security Council and General assembly to introduce broad based policies outlining all countries responsibilities to achieving and adhering to same;
- 2 Encourage all governmental bodies to aim tax collection more at consumer goods rather than income and heavily tax luxury goods.
- 3 Large scale investment in environmentally sustainable projects within underdeveloped countries with the condition of rigidly controlling population growth and monitor same.
- 4 World Bank and regional development banks to invest in large scale renewable energy, forest and fish farming along with any other commercial activity that takes the pressure of our global environment. Encourage national governments to offer tax incentives or tax havens for companies involved in such enterprises;
- 5 Internationalizing the legal framework for economic development and encourage the introduction of universal legal

proceedings to eliminate extradition difficulties, money laundering, tax loopholes and many, many more. Financially penalise all countries that refuse to enter into an agreement or fail to comply with an order;

- 6 Encourage the introduction of an international bounty or (payment per weight or per volume) for the direct sequestrations of CO² from the air. This would suite areas that have an abundant renewable energy source that is uneconomic due to its remote location yet have availability to existing underground storage e.g. remote deserts with depleted oil wells or underground mines. Direct sequestrations technology is already available to achieve this.
- 7 Investigate imposing an international carbon tax and apply those funds to direct sequestration of CO₂ from the atmosphere, **See National efforts, Food for thought pg 29 item 12**
- 8 Currently all air travel is grossly environmentally unfriendly. Investigate placing an international tax on all air travel including all commercial and military flights. Heavily tax luxury flights like all Lear jet travel. Apply the same standard to all see travel. Apply the tax revenue to payment for the direct sequestration of CO₂ from the atmosphere, **See National efforts, Food for thought pg 29 item 12**

2.3 World sectarian division and violence

Encourage the redirection of the world's focus away from regional and sectarian division and violence and toward the immense common enemy that climate change poses. Highlight the enormity of the problem of climate change on the world stage and the need for reconciliation toward a common purpose for all of mankind in reaching global human environmental sustainability. The rationalization for this is that if we are not successful in combating manmade climate change then the reason for all current sectarian division and violence now will be rendered meaningless by the enormity of the common enemy of survival as a result of it. That is, promote the legitimate concept that it is no good fighting over something now if there is a dangerous common enemy approaching that if successful will render the current conflict meaningless.

For further information see **Appendix D**, pg. 46; **Sectarian division and violence. Also see pg47 Sectarian violence V A Common Enemy.**

3 National efforts (Australia)

3.1 Status Quo... a case of 'sitting on our hands'

Just because the International community has failed to reach consensus on national greenhouse gas emission reduction targets (including for us), it does not mean that all tiers of our government should sit on their hands. And that is what they appear to be doing with insufficient action at best, lip service as the norm and inadequate action the outcome.

While this document is not the forum to discuss government structure and democratic consensus some observation is necessary as both factors have an effect on the successfulness of nationally combating manmade climate change and finally attaining environmental sustainability.

Firstly, it would appear that Australia is currently grossly over governed with three tiers of government, National, State, and local. It is sufficient to note here that the state level would appear unnecessary with its roots of origin being that prior to the nineteenth century it took over a week on horseback to get from Melbourne to Sydney and another week to get to Brisbane i.e. difficulty of government over distance. This problem has obviously been solved through technology and fiscal efficiency will become vital in combating climate change.

Secondly, the removal of sectarian division is also vital in maintaining focus on key areas such as climate change. A democracy built on 'the party' system that stipulates that 50.1% of the voters can be represented by 'the government' and 49.9% of the voters are disfranchised by being relegated to be represented merely as 'the opposition' does not foster National consensus, nor is it. Indeed, it is a breeding ground for sectarian division. This is even further compounded by the fact that the voters supporting one party do not necessarily support every policy recommended by that party. It is interesting to note that the moment a new government introduce all the policies that it said it had 'a mandate' to implement...the government's popularity begins to plummet. Maybe they didn't have a 'true' mandate for **all** their policies in the first place.

Funnily enough, an ex prime minister of Australia, Bob Hawke once said that running a country is just like running a big business. I don't know whether Bob Hawke ever worked in a business but I have, and I for one have never heard of a business that has a production manager, an opposition production manager, a marketing manager, an opposition marketing manager and as for having an opposition board of directors. Well how could that possibly work! So how could you ever have a successful government if you have governmental opposition to every

governmental action? **It is time to democratize our democracy. We need and must have a national unity government to successfully combat manmade climate change.**

3.2 What has to be done?

Regardless of the lack of international consensus on individual countries greenhouse gas emissions reduction targets, and the complexity of our government structure that fosters fiscal inefficiency and sectarian division. We must nonetheless vigorously combat manmade climate change.

It should be noted again here that Australia is one of the very highest per capita greenhouse gas emitting nations in the world. We currently emit approx. 25 tonne of CO² per person p.a. and to effectively counteract manmade global warming today we would be required to emit approx 2 tonne per person p.a.

Food for thought

While the below listed suggestions on government projects and policy are by no means meant as a comprehensive list of recommendations, or a feasible one for that matter, it goes without saying that effective action by all three tiers of our government (**should be only 2 tiers**) has to be instigated on some or all of the following areas, and what's more; **urgently:-**

- 1 Place environmental sustainability at the forefront of all government policy.
- 2 Encourage all governmental bodies to aim tax collection more at consumption rather than income and heavily tax luxury goods
- 3 The replacement of all greenhouse gas inefficient electric generating plants with green equivalent. Government financial support for renewable energy generating plants based on the priority; -
 - (a) Renewable energy sources where possible;
 - (b) Nuclear energy where renewable energy is not possible;
 - (c) Financial discouragement for non-renewable greenhouse gas emitting energy source.
- 4 All tiers of government to encourage environmental conservation and for their offices and installations to set targets for the introduction of renewable energy sources, recycling facilities and energy saving devices. Stipulate the appointment of an environmental control officer to oversee

each definable area and monitor the progress. Stipulate the set up and monitoring of greenhouse gas emission standards for all government vehicles and subcontractors' machinery and where possible convert or replace that equipment with the minimum greenhouse gas emitting vehicles and machinery available;

5 National and/or state governments to investigate setting up an **Environmentally Sustainable Economic Development Scheme** to oversee and financially sponsor the conversion of all existing industry, commerce and residential housing to green energy self-sufficiency. Furthermore, that all new development applications are to fall under the same guidelines and be controlled and monitored by that central body. The scheme to be similarly funded to that of the **Motor Vehicle Replacement Scheme** detailed in **item 6** below;

6 Our national government to investigate financially sponsored replacement of all gas guzzling vehicles with hopefully Australian made hybrids or similar minimum greenhouse gas emitting vehicles. Furthermore, for the government to provide interest free loans (subject to a means test) for the procurement of the vehicles and the repayments to be approx. equal to the fuel cost reductions. The repayment amount would be collected by either the withholding of added tax contributions or by a reduction in government pensions or other payments. For the government to hold a charge over the vehicle until the loan is repaid. The loan would be similar to government loans for tertiary education and could be funded by the sale of government bonds. The cost of which would be more than offset by the job creation and tax collected that would result from such a **Motor Vehicle Replacement Scheme**

7 Promote the invigoration and realignment of our national thinking toward combating manmade climate change and supporting environmental sustainability. This should be instigated through each tier of our national means of production, distribution, general commerce, retail sale and consumption. Additionally, emphasis should be placed on all households. A broad based T.V. campaign could achieve same and reach all above mentioned interests;

8 Promote green public transportation. Investigate the setting up of perimeter zones being applied around major commercial centers. Those zones to limit vehicles within those centers while providing free public parking at collection points and only environmentally friendly public transport, service vehicles and green golf cart type vehicles within that zone. Those vehicles are to be provided free or at a low cost and available throughout the zone and contained within it. The manufacture of those vehicles could be undertaken as part of an **Environmentally Sustainable Economic Development Scheme**;

9 Encourage investment, or instigate direct government investment in forest, wind and solar energy farming for fringe agricultural areas;

10 Encourage government sponsored innovation and investment in developing environmentally friendly products for the replacement of environmentally unfriendly equivalents. For example, the concrete industry has an extremely high carbon footprint whereas Hemp Crete has far less and there is already an infant industry existing in Australia that is currently hogtied in government controls;

11 Root out corruption by placing severe financial and/or prison terms for all institutions and individuals found guilty of same;

12 Introduce a carbon tax and apply those funds to the direct sequestration of CO₂ from the air. **See 13 below.** Support international efforts for same.

13 Encourage the introduction of an **international funded bounty** or (payment) for the direct sequestrations of CO₂ from the air. This would suite areas that have an abundant renewable energy source that is uneconomic due to its remote location yet has availability to existing underground storage. Australia could be a key player with its remote deserts and possible nearby depleted oil reservoirs or mines. The technology has already been developed to accomplish this;

14 Encourage environmentally friendly fish farming and enforce stringent protections of our rivers and oceans breeding and spawning grounds;

15 Promote locally grown and produced products by highlighting the environmental costs in regard to international trade, i.e. transportation pollutants to be considered as an environmentally undesirable cost of good. Investigate an import tax accordingly that would assist local production and reduce global emissions;

16 Encourage water conservation and reduced reliance on fertilizers/pesticides;

17 Discourage women from having children for their own social security benefit and apply severe penalties for flagrant violations. **That is; don't pay women for having kids. Pay them for not and provide free birth control medication;**

18 Support legalised voluntary euthanasia for the old, sick and dying. The rationale is that **quality of life** is far more important than the **quantity of life** and forcing the continuance of life against a person's will and dignity is cruel and morally wrong;

19 Investigate reintroducing the death penalty for all criminals found guilty **beyond any doubt** of multiple acts of inhumanity and violence. The rationale for this is based on the fact that it currently costs approx. \$80,000 a year to keep prisoners in our high security overcrowded jails

and that amount would be far better spent on combating climate change or addressing any other area of need. For example, we are currently cutting down on pensioner entitlements, including medical care because we can't afford it. Yet we must pay \$80,000 a year for the upkeep of Martin Bryant who killed 35 people at Port Arthur in Tasmania....this seems irrational, morally bankrupt and blatantly stupid. Again, this is another instance of **quantity of life** overriding **quality of life**. Pensioners have to have their **quality of life** diminished because we have to maintain the **quantity of life** of the mass murderer Bryant's and to keep him in relative comfort for the rest of his life;

20 Initiate environmental diligence and energy independence in all state schools and introduce courses to educate the young in caring for the environment. Encourage the vilification of environmental vandalism;

21 Investigate mobilizing the idle resources of our prisoner population and the long term unemployed to undertake large scale environmentally sustainable projects; For example, building a canal from Spencer's Gulf out to Lake Eyre in South Australia which is 30 odd feet below sea level. This canal, with the huge local tides at Spencer's Gulf could generate substantial hydroelectricity and provide water transportation inland. Similarly, at the Lake Eyre end abundant solar energy and desalinization would make way for human habitation (decentralization) and tourism away from the coast and through evaporation of the permanent lake help promote rainfall in drought prone Victoria. This **Environmentally Sustainable Decentralization Scheme** could be coupled with a direct CO² sequestration scheme as outlined in item 12, pg. 29;

22 Investigate setting a national population target and limit immigration to countries that support ridged population control;

23 Substantial unemployment and human misery is caused by the massive tax advantages given for replacing workers with machines. This in many ways is counterproductive because full employment is a thing of the past and: -

- a. ...it causes workers to be uncompetitive to machines and thus causes higher unemployment;
- b. ...causes those workers left with jobs having to now pay through their taxes for the social security for those workers displaced. **Meanwhile the machines that the worker was replaced with pays nothing in tax and now both the displaced worker and the machine are leaving a carbon footprint;**
- c. ...because it places a strain on government finances for unemployment relief;
- d. ...it allows less government funds to be available for creating jobs and for other projects including fighting global warming.

Is it time to give the worker a fair go in competing against machines...a level playing field with taxation would be a good start? For example, why should there be tax advantages for an employer to replace a worker with a machine? Furthermore, workers shoes are not generally tax deductible, yet forklifts tyres are. Likewise, a worker's lunch is not tax deductible, yet a forklifts fuel is...and...and ...and. It's time to give the worker a fair go!

4 What *you* can do *now*, and at home

4.1 Broadly

It should be noted again here that **Australia is one of the very highest per capita greenhouse gas emitting nations in the world. We currently emit approx. 25 tonne of CO² per person p.a. and to effectively counteract manmade global warming today, we would be required to emit a world average of approx. 2 tonne per person p.a.** Thus, to reduce your emissions;

- a. Carefully consider the extravagance of your lifestyle in regard to environmental sustainability. Think far less about your material worth, or possessions as being your driving force and gauge of happiness and success. Instead think and act more toward restraint, humility and environmental responsibility as your goal and gauge of success. Encourage your family, kids, grandkids and others to do likewise.
- b. Thoughtfully weigh up what you desire(**want**) in goods and services against what you justifiably **need**. Justify any acquisition with a '**need**' test for your purchase approval...**not a 'want' test** and be ever aware of environmental sustainability. Apply this to all gifts as well. Furthermore, thoughtless gifts are often taken as insulting or useless by the recipient and/or are discarded and, as such can end up being a total waste of resources and end up pollution. And consider not only the thoughtfulness of the gift but also the carbon footprint of the item. **And remember every time you purchase a product or use a service you increase your carbon footprint.** Also beware of impulsive purchases for they are often the cause of regret and family conflict and are usually a waste of resources and represent unnecessary emissions.
- c. Be aware of the social pressures and costs that **could** be associated and attributed to the gradual distancing of mankind from nature and his fellow man. This could be a hidden and previously unidentifiable cause of your high carbon footprint and any other social problems that

you may be experiencing. For more detailed information see **Appendix D**, pg.46; **Social Disintegration; food for thought**.

4.2 Specifically

- a. Conserve energy by:
 - i. Boiling the minimum amount of water that you need. It is noteworthy that a significant percentage of household energy is purely consumed on heating water;
 - ii. Turning off stand-by appliances when not in constant use;
 - iii. Turn off lights when not in use and be mindful of the wattage/amperage of the globes [amount of light required for that area]. Install energy efficient light globes. If you have kids link pocket money to their light switch efficiency;
 - iv. Be mindful of human transportation efficiency and pollutant e.g. driving to the same shop twice in a day;
 - v. Minimize heating and air conditioning and install home installation where financially possible and feasible.
- b. Minimize food waste and be extremely diligent in recycling waste packaging;
- c. Install solar energy if possible and/or seek renewable energy source;
- d. Avoid products that are blatant pollutants or are readily identifiable as not supporting renewable energy or seeking recyclable ingredients/ components;
- e. Store old clothes, toys, furniture etc. and avail same to St Vinnie's or others for a second life for the items and also time delaying their disposal to refuse tips. Encourage kids to participate and co-ordinate with your neighbours, street or local community for the regular pick up or delivery of same;
- f. Try and purchase products with the least carbon footprint e.g. don't buy dog food in Australia that is produced in Europe [I was mortified when I found a 12kg plastic bag of that in my own home]. Buy locally produced products where possible and do so in larger cans and packets when appropriate;
- g. Try and alter your diet to having a lower carbon footprint. I am not a dietician but a movement away from meat and fish and toward fruit and vegetables would seem rational. Avoiding takeaways would also not only be rational, but highly sensible as obesity is

now epidemic. Furthermore, and as evidence of our indifference to global warming; **why isn't our government heavily promoting a low carbon footprint diet? Or am I ignorant of the fact?**

- h. Have a group vegetable patch with your neighbours or have an individual patch at your home. This reduces energy consumption, saves money and gives a hands on approach with nature. It also encourages family or group human endeavour and activity. Additionally, have a compost heap where possible and a chook pen if permissible and feed chooks with food scraps;
- i. Encourage your kids and grandkids schools, as low as daycare and kindergarten to introduce recycling and energy independence and to educate the young in caring for the environment. Encourage the schools to introduce short courses in for example, 'The World's Environmental Health and You' and provide brief take home reading material on same. Encourage study and assignment topics on environmental issues and if possible, support school field trips to Council recycling plants, housing estates both before and after development. Whenever appropriate discourage environmental vandalism like the recent dramatic increase in kids' willfully lighting forest fires;
- j. Consider the choice and number of pets. They also have a carbon footprint that affects the environment. Caged and abandoned pets, on the other hand not only have a carbon footprint but can also represent cruelty;
- k. Recycle your lawn clippings on either your lawn (puts nutrients back into the soil) or on garden beds (maintains moisture in the soil and minimises weeds). In either case minimise foliage disposal;
- l. Keep informed of climate change issues and the world's degenerating weather conditions. This will assist in maintaining due diligence. For more information see **Appendix H**, pg.54; **Monitoring global warming from home**;
- m. Encourage family members, friends and local communities to actively participate and be vocally proud of your contribution in minimising your carbon footprint. And just remember every time you purchase a product or use a service you increase your carbon footprint so be assertive in combating manmade climate change by ***making your voice heard, your authority influence, your action effective and your vote count*** in combating the greatest threat to face mankind since the onset of the last ice age.

5 How religions can help

Broadly

With over 2 billion Christians, Muslims and Jews in the world their combined voice could strongly influence individuals, local communities and others in polarizing sentiment toward combating manmade climate change. Furthermore, as climate change is not a political issue but rather a life threatening one; that should be high on the agenda for all religions and be a common ground reason in uniting them on its own.

Additionally, their combined voice could also greatly assist in reducing sectarian division and violence that abounds in various countries, regions and even within communities around the world. It's even here in Australia.

What's more; how can we ever expect mankind to *unite* to combat manmade climate change and counteract sectarian division and violence if our religions don't *unite* as an example to us which will help and encourage us to do the same over time and along our way?

For more detailed information see **Appendix I, pg.55: How religions can help: Specifically; Voices and Actions.**

6 Other interest groups

How they can help

All unions, industry associations, industry leaders and business owners, office managers and entrepreneurs can all play a significant role in combating manmade global warming. They are in a position to influence the areas that they have jurisdiction over or authority in to promote environmental awareness of the dangers of manmade climate change. They can encourage the implementation of policies to minimize that area's carbon footprint. They also have the influence to encourage those that they are associated with to take up the challenge at home and evaluate their lifestyles accordingly. **Millions of small steps can go a long way in making miles of a difference.**

Part C

Summing Up

- 1 Document Summation
- 2 Conclusion; Decision time
- 3 Mother Nature's position: 'Enough is Enough'

1 Document Summation

The document commenced by initially posing an extremely problematical question. What will it take to stop mankind's relentless march, if not all out race toward climatic and environmental chaos as a result of manmade climate change?

The answer however, at least according to the facts appears to be quite simple; we either comply to the demands of environmental sustainability **now** or comply to the whims of Mother Nature's wrath tomorrow. Yet meanwhile and to emphasize the urgency to act; it appears Mother Nature tomorrow has already begun with countless floods, droughts, and forest fires and severe storms already ravaging the planet with ever increasing ferocity, rapidity, human misery and economic and ecological cost.

Furthermore, and hopefully as this document demonstrated; it is only after the environment is viewed and weighted well above that of profit, economic growth, our seemingly insatiable consumer appetite and our relentless want for conflict and proliferation can we ever expect to effectively neutralize manmade climate change and attain human environmental sustainability.

2 Conclusions: *Decision Time*

Mankind stands at a crossroads and it's up to all of us to make a choice. So, what will it be? Will our cultural legacy be that of the generation that knowingly continued to race toward a disastrous manmade environmental abyss and did nothing to stop it? Or will our generation's legacy be that of finally renouncing that catastrophic course and renewing our historical bonds with nature and our fellow man and striving to live in harmony with both.

While we know we can't miraculously rub out our monstrous carbon footprint and remove the shroud of carbon smog from the air that we breathe. But what we can **ALL** do is; take affirmative action **now** to progressively clean up our mess and make the environment safe for our following generations to come? But will we? That's the only question left.

.....and I for one could not stand the thought of looking into my grandkids eyes when I have to tell them that I knew about the problem but chose to ignore it. That to me is **not** an option and if you feel the same; **make your voice heard your authority influence, your actions effective and your vote count** in

combating the greatest challenge to face mankind since the onset of the last ice age. What's more; that climatic event rendered extinct the most prominent species of **that** time, the mega beasts and what's even more poignant, they didn't even cause it. If that sounds ominous...it is!

Authors Footnote

Please note that this document was not written, nor is meant to be read as the complete and comprehensive plan to combat manmade global warming..... but merely the stimulant for a start.

Mother Nature's Position

'Enough is Enough'

*I am Mother Nature and I've had enough
I don't pillage the earth nor plunder the sea
The human race should go back to a cave, or maybe a tree
Yes, go back to a cave and fish by the sea
If that's what it takes for you to live in harmony with me*

*You say you're God's children then start to act like that
Or I Mother Nature will fight back
I will tease you and torment you until you wake up
So, fix the disaster before it's too late
You have made, you can fix it, and I will help too
Or Mother Nature will surely rain havoc on you*

*The bottom of oceans, you can't see
Ships by the thousands, pollution for me
Oil spills, green rivers, toxic air for all to breath
You've poisoned and raped Mother Nature and that's me*

*The whales and the oceans
The birds and the trees
The bears at the pole, and even the bees
They're screaming for help, and they're screaming at me
And I am Mother Nature and I've heard their plea
And enough is enough from you and for me.*

Anonymous

7-year old's entry in a school competition

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Appendix A

Background: ‘In the carbon footsteps of mankind’

Mankind has achieved great things along the course of his journey over his evolutionary path. Indeed, he is the only creature that has ever existed on this planet that has technologically advanced above rudimentary functions; let alone advancing to reach out for the stars. But the cost of that journey has been horrific...not on him... but rather on the planet’s environment along with every other creature that has had the misfortune of cohabitating with him over the course of his evolutionary journey.

As spectacular and tragic as his story may be, the cause of that environmental degradation is that mankind has unfortunately lost his way along his journey; losing touch with where he came from and what he really is ... a part of nature’s story.....not nature as merely a part of his.

Furthermore, while mankind’s journey of historical development has been spectacular and documented from many different angles, from his various developmental ages, his conquests, his empires, his greatest achievements and many, many more. This story however follows his carbon footprint over his ageless journey, step by step from....

Mankind the hunter gatherer... his carbon footprint a mere shadow on the ground

Mankind the farmer.... his carbon footprint forever visible in his freshly cleared and ploughed lands

Mankind the empire builder.... his carbon footprint stamped deep into the ground

Mankind the industrialist.... sinking into a carbon bog

Mankind the consumerist.... shrouding the world in a carbon smog

Mankind ...the hunter gatherer

For millennium mankind, the hunter gatherer held the deepest respect for Mother Nature and lived in relative harmony with his fellow man. This was based on both his reliance on nature to provide his daily herbivorous sustenance during his many wanderings and along endless way. And secondly on his dependence on his fellow man for the common purpose of improving the efficiency of his hunting and providing added security against anything else that had a similar eye out and plan for him. His carbon footprint on the other hand was a mere shadow on the ground.

Mankind the farmer

Then approx. 10000 years ago when mankind first domesticated agriculture and wild creatures he gradually lost his dependence on nature for providing his daily herbivorous sustenance and his reliance on his fellow man for hunting and joint security in survival. The further progressive distancing of mankind from both nature and his fellow man can then be directly correlated to the gradual improvements in the efficiency of agriculture, the resultant increase in community living, innovation of new products and the growth of widespread trade. This resulted in mankind having progressively less physical involvement in growing and tending to agriculture and rather than having a common purpose with his fellow man in hunting and survival, he was now directly competing with him for jobs within his new village and community setting. The later introduction of money as a means of exchange and as a storable barter so he could readily acquire his needs regardless of the season sped up that disconnection process significantly. All of this undoubtedly led to the birth of human greed along with his lack of consideration for the environment and, though his concern for only himself at heart **indelibly etched his carbon footprint deep into his freshly cleared and ploughed lands**

Mankind.... the empire builder

Then slowly and progressively over the ensuing 1000's of years mankind learnt to view Mother Nature as no more than an object for manipulation. He built dams, diverted rivers, leveled mountains, cleared forests and did other things should any of those impair or further enhance his progress while giving little regard to environmental issues or the value of human life. Similarly during that period mankind began to cluster into Nation/states or by race, creed, color, or religion and, believing in his own group's supremacy learnt to view other groups as the subject of competition for resources or trade, as an outright threat over race, territory or ideology or a source of cheap labor through enslavement. As a result mankind learnt to view Mother Nature as no more than a mere inconvenience or troublesome threat and treated each other with dire suspicion, abject disrespect and valued human life even less. Ironically during this period with mankind's perception of being far less reliant on his gods or nature for guaranteeing sustenance, and his growing belief in his own supremacy, if not omnipotence he progressively changed his practices of offering humans and other creatures as sacrifices to hopefully appease his god's. He chose now to kill them for his own sport and entertainment like the **Romans** did. Mankind had entered the age of indifference to both nature and his fellow man and **stamped his carbon footprint deep into the ground.**

Mankind.... the industrialist

Then, 200 years ago at the start of the industrial revolution that distancing of mankind from Nature and his fellow man began to speed up dramatically. During this period fossil fuel energy quickly replaced nature's restrictive forces of muscle, wind and water and after the discovery of electricity caused a proliferation of consumer products as well as in new machines. This unleashed mankind to pursue his **wants** with zest instead of just his **needs** and negated his reliance on nature or his fellow man to help him secure either. Those occurrences, along with the later birth of consumer credit caused mankind's historical bonds with both nature and his fellow man to be all but totally severed. Human environmental indifference, greed and self-indulgence had by then become endemic and with human population exploding made future global warming certain. **Mankind was now sinking deep into his own carbon bog.**

Mankind.... the consumerist

Today the human race is either gripped in rampant consumerism or engulfed in sectarian division and violence while still others of us are either poverty stricken or near starving to death. Yet collectively we all have two things in common; we are collectively both skyrocketing in numbers and devouring fossil fueled energy and resources with an insatiable appetite that seems to have no boundaries, borders or foreseeable end.

We 'carbon heads' in the developed world are totally focused on consumerism and are racing to feverishly promote and sell our exotic and mesmerizing products and brands on mass to all and sundry. The implicit aim is to appeal to the consumer and compel them through their greed, vanity, or keeping up with the Jones's mentality to rush out and update to the latest trends or newest models. This toxic lifestyle doctrine is now spreading at lightning speed with emerging countries like China and India now joining in with their own frenzied binge. Who cares whether the resources are recyclable, and the energy is renewable just as long as we sell our goods and products on mass and achieve our ever increasing bloated growth targets? Growth, growth, growth is the catch call of all our leaders and industrialists with the resultant affect that Mother Nature is now buckling under the environmental stress. Greenhouse gas emissions skyrocketing, whole forests disappearing by the day, oceans becoming acidic, ice caps melting, sea levels rising, the list of carnage is endless. Countless species rendered extinct by the day and the endangered list soaring to the sickening point that our scientists have now tragically labeled this period in earth's history *The Slow Dying* and all at mankind's hands.

What a dreadful indictment of our generations and of the entire human race. What's more; the only species on this planet that is exempt from this carnage and whose numbers are skyrocketing is the human race. What's worse is that the only nonsensical reason why we need our population to increase by the current **210,000** a day on top of the **7.7** billion that we already have is because that way it's easier to sell more Coke, cars, I pads, phones, fancy T.V's and anything else we put our glistening eyes on and give rise to start up a new billowing factory to produce. The culmination of all of this is that we have now **shrouded the world in carbon smog** and awoken Mother Nature to what we've done.

Summation

If history were to paint a picture of mankind's relationship with nature and his fellow man that portrait would look a bit like 'A picture of Dorian Gray'. That portrait would have us painted today as one who is either poverty stricken or self-absorbed in a blind reverence to at least one of greed, corruption, consumerism, violence, religious and racial paranoia, or economic or ecological vandalism. All of which have now contributed to and resulted in a disastrous worldwide environmental abyss that we either currently choose to vehemently discredit the existence of or emphatically blame somebody else for its cause. But in either case we have mutedly agreed that to maintain our God given course and lifestyle doctrine, if we can no longer totally refute the existence of manmade climate change then we'll simply leave it up to somebody else in the future to fix.

The end result of all of this is that we have now locked mankind along with all other life forms onto a deadly collision course with Mother Nature and we all subconsciously know who's going to win that. Yet meanwhile, as if in a prelude to even greater catastrophic events countless floods, droughts, forest fires and severe storms continue to ravage the world with ever increasing ferocity, rapidity, human misery and economic and ecological cost.

Yet we do have one slim chance left. While we know we can't miraculously rub out our monstrous carbon footprint and remove the shroud of carbon smog from the air. But what we can do is; take affirmative action now to progressively clean up our mess and make our habitat safe for our future generations to come? But will we? That's the only question left.

Appendix B

Scientific facts: In short

Human greenhouse gas emissions have been steadily rising since the advent of the industrial revolution. At that time the CO² content in the atmosphere was 280 parts per million and in April of 2013 that rate touched 400p.p.m. With **our atmosphere's acute sensitivity to greenhouse gas levels** the resultant effect has been a rise of approx. 1° Celsius in the average world temperature where the average temperature is approx. 15°C. Furthermore, the time lag to convert emissions to temperature rise to climate change is up to 10 years and at the current rate of CO² emissions the average temperatures of the world is expected to rise by up to 6°C this century. This would undoubtedly create total climatic chaos. Moreover the level of that temperature rise, the speed of it and the continued speed of climate change, given the 10+ year time lag are totally dependent on the human emissions from this point forward and currently those emissions are still rising at an accelerating amount per year.

Additional information

- Currently human greenhouse gas emissions are approx. 40 billion tonne of CO² p.a. which is approx. 60% above what our oceans, forests and soils can absorb (15 billion tonne p.a.). Furthermore, any emissions above the 15 billion tonne level are accumulated and held in the atmosphere or in increased acidification of the oceans and seas.
- Over 3000 billion tonne of CO² has already accumulated in the atmosphere so far creating manmade global warming that has resulted in escalating climate change.
- As planet Earth warms through increased greenhouse gas emissions several tipping points are reached which automatically will accelerate global warming dramatically. These include diminishing ice sheets and thawing permafrost. See also **Appendix C** and in particular item 4; pg. 45.

Appendix C

Time Frame: The Ticking Clock

Time is running out fast to implement a solution for the following reasons: -

- 1** Mechanisms to reduce greenhouse gas emissions have to be implemented before the world's financial resources available to combat climate change and mankind's moral fibre to implement the necessary reforms to counteract it are totally consumed by the rising cost of damage and human carnage caused from it. That is: We have limited time to implement change **and...**
- 2** Currently global warming is rising at an accelerating rate and climate change is escalating. That is: The problem is getting bigger and the solutions harder **and...**
- 3** It takes 10+ years for human greenhouse gas emission to culminate in climate change and it takes a similar amount of time for it to dissipate from the atmosphere into the oceans, forests and soils. That is: Fixing it will **not** automatically stop it **and...**
- 4** Should global warming thaw the northern permafrost's entrapped methane deposits and also melt the oceans' frozen deposits climate change will skyrocket. This is because methane is **21** times a more powerful greenhouse gas than CO² and there is a massive amount of methane entrapped in those two deposits. That is: At that point no fix will stop it and what's more; the permafrost has already started to thaw.

..... The clock is ticking to implement 1 above before it's too late to stop the clock on 2 so as to start the clock on 3 so as to avoid the clock on 4.

Appendix D

Sectarian Division and Violence

Overview

Sectarian division and violence have historically plagued mankind for millennium, and it seems apparent that we haven't changed one little bit at all. Over the eons we have merely progressed by moving our point of conflict from amongst tribes to fighting between city states that collectively developed into nations and that culminated in two world wars. We can even fight over religious ideology, the colour of our skin or even a tree hanging over our fence.

However, the present threat from manmade climate change is not sectarian in nature, but rather global in dimension and promises to be the greatest challenge to mankind since the onset of the last ice age, which it must be noted wiped out the most dominant species of **that** time. Sound ominous; it is. Furthermore, severe climate doesn't care what religion you are or the colour of your skin and as for the tree hanging over your fence... it will fix that too; both tree and fence will be gone and along with possibly both neighbours as well.

It therefore goes to flow that the removal of worldwide sectarian division and violence through diplomatic and peaceful settlement is vital in redirecting and achieving global common purpose in combating this massive and rapidly escalating challenge. Promote and highlight to all combatants that whatever they are fighting over today will be rendered trivial and insignificant tomorrow when they could be faced with starvation and survival.

Democratize our democracies

Another breeding ground for sectarian division and violence is the format of our democracies themselves. A democracy built on 'the party' system that stipulates that **50.1%** of the voters can be represented as '**the government**' and **49.9%** of the voters can be represented as '**the opposition**' does not foster National consensus and indeed is a breeding ground for sectarian division. This is even further compounded by the fact that the voters supporting one party do not necessarily support every policy recommended by that party. It is interesting to note that the moment a new government introduce all the policies that it said it had 'a mandate' to implement...the government's popularity begins to plummet. Maybe they didn't have a 'true' mandate for all their policies recommendations in the first place. It is time to democratize our democracies.

Funnily enough an ex-prime minister of Australia, Bob Hawke once said that running a country is just like running a big business. I don't know if Bob Hawke ever worked in a business but I did, and I for one have never heard of a successful business that has a production manager, an opposition production manager, a marketing manager, an opposition marketing manager and as for having an opposition board of directors. Well how could that possibly work! So how could you ever have a successful government if you have governmental opposition to every governmental action? It's clear that it's vital for us to have a unity government if we are ever to successfully combat manmade climate change and attain lasting environmental sustainability

Sectarian violence V a common enemy

There is an old saying that 'a house divided will fall'. On the other hand, there is another old saying that 'a family in conflict will unite when confronted by a common enemy'. It can only be hoped that the common enemy of climate change as horrific a prospect that it presents, will unite the family of mankind in a common purpose for the alternative is truly terrifying; for as the old saying goes '**a house divided will fall**'.

It therefore flows from this that we must get the message through to all those engulfed in sectarian division and violence. We must make it clear that there is no point fighting over something now if there is a dangerous common enemy approaching that if successful will render that current conflict meaningless by the enormity of cost and carnage that will result from that climatic event. After all climate change does not choose sides, it is totally indiscriminate. What's more if you happen to be in a conflict with an enemy when climate change strikes you.... then you are even more venerable then because your adversary is not only less likely to help you after the event, but may indeed decide to attack you then; when you're at your weakest point.

Appendix E

Downplaying the danger: Cases in common; petroleum, coal, tobacco and asbestos industries

While there are numerous National and International corporations who have a vested interest in, and the money to back downplaying the manmade climate change issue. There are, however, similar instances in the past that have set a precedent on where and how that can end.

For example, the current carbon based vested interests have adopted the same approach as the tobacco and asbestos industry did years ago in that they are publicly refuting any or all of the overwhelming scientific evidence supporting the existence of any environmental problem with their products. This technique was also fairly successful at the start of the denial campaign of the tobacco and asbestos industries and no doubt resulted in delaying urgent medical attention being available to the countless life-threatening health issues that people were experiencing as a result of the problems. Hopefully our current carbon-based vested interests will fear facing the same challengers' in time that those industries faced and were forced to settle, in and out of court. Also maybe it's time, like in the case of the packaging for cigarettes that somebody demanded a picture of an asthmatic child gasping for breath in a smog filled city or a Filipino waist deep in flood waters beside his storm flattened house featured on each petrol bowser, bag of concrete or new V8 or high pollution emitting vehicles.

Additionally, maybe all those affected by carbon emissions could take out a class action and sue for damages. It worked against the tobacco and asbestos industries and we got reform; the tobacco industry is fast becoming a thing of the past and the asbestos industry has already achieved that end. And when all is said and done; what is the difference between;

1 what B.P. did in their oil spill in the gulf that created untold environmental damage including killing countless species and;

2 the case of a child dying of asthma in a smog filled city!

.... What? One problem came out of a hole beneath the sea in the gulf and the other came out of a hole at the back of a car! Same affect...They're both their products and both crimes against the environment. And after all, B.P. was forced to settle claims against it for environmental damage in the gulf spill; why not for the child's death?

Furthermore, and to the sickening problem at hand; the life expectancy rate has already dropped for people living in high smog affected cities as in the case of China, and asthma cases and the number of deaths has risen substantially all over the world.

Appendix F

World population and emission growth 1800----2014

Human greenhouse gas emissions have been steadily rising since the beginning of the industrial revolution. This is the direct result of both a balloon in world human population through general advancements in medical care, increased agriculture productivity etc and higher levels of emission in the developed and developing world as a result of their increased standard of living...

Year	1800	1900	200	2014
World human population (billion)	1	1.6	6	7.2
Population with enhanced lifestyle (billion)	0.1	0.3	2	2.4
CO ₂ .. ppm in the atmosphere (parts per million)	280	300	370	400
Total human emissions (billions of tonne)	17*	19*	30	40
Maximum CO ₂ absorption by forests, oceans and soil (billion tonne pa)	15	15	15	15
Annual CO ₂ accumulation in the atmosphere or represented in added acidification of the oceans (billion tonne pa)	2*	4*	15	25
Total accumulation of CO ₂ in the atmosphere (billions of tonne)	1900	2000	260	3000
	*	*		+

* Estimates based on available historical statistics

By 2014, with over 3000 billion tonne of CO₂ already accumulated in the atmosphere the average world temperature has already risen by approx. 1°C where the average world temperature is 15°C. Furthermore if the world's combined carbon sinks (oceans, forest and soils) can only absorb 15 billion tonne of CO₂p.a without becoming toxic and our population is 7.7 billion then to effectively counteract climate change today each human would only be permitted to emit approx. 2 tonne of CO₂ per year. This would require reducing the developed world's greenhouse gas emission by 90% which is, apart from anything else totally impossible because they could neither do it or accept it. Compounding the problem even further is that the human population is growing by an extra **210,000 per day** every day.

The above figures clearly demonstrate that the world's environment cannot sustain the current 7.7 billion human inhabitants, let alone support further population growth. That is without having either massive poverty and escalating climate change as evidenced by where the world stands today or massive poverty and massive climate change which is where the world is heading for tomorrow. **Therefore, to counteract manmade climate change, it is not only the amount of greenhouse gases that any one of us individually (or collectively as a country) causes to emit that is the problem, but also the total number of us emitting.**

Appendix G

Social Disintegration; Food for Thought

Overview

The evidence of the impact of the gradual distancing of mankind from both nature and his fellow man may not be more visible than in the social disintegration of our society today.

The Evidence

While the effects from the gradual disconnection of the bonds that mankind historically had with nature and his fellow man has manifested in many ways including global warming, the social cost of mankind's journey is far less certain. However, on the other hand it could be argued that many of mankind's behavioural problems that we face in society today could be directly linked back to the anxiety from that gradual disconnection process and include:

- Divorce rate soaring;
- Number of people who have pets
- Family disintegration and domestic violence;
- Drug (illicit and prescription) use skyrocketing;
- Alcoholism;
- Disaffected indigenous populations like the Australian Aborigines and American Indians. Their high incidents of alcohol abuse can be traced back to their despair and anxiety from the reality of their fast paced and recent disconnection with nature and from their ancestral tribal ties. Also seeing their natural habitat abused;
- Suicide....particularly evident within the indigenous population; however there is an alarming incident's within the farming community where that industry is under severe stress (fear of failure) and the current generation of youths who feel lost and hopeless;
- Eating disorders including obesity and anorexia;
- Growing incidents of child gangs and bullying;
- Consumer spending addiction;
- Racism and religious fanaticism.

All of these, it could be argued can be partially explained as possibly manifested anxiety effects resulting from the emotional void formed from that disengagement of mankind with nature and his fellow man. Similarly, evidence of this loss could also explain our feeling of despair in seeing animals hurt, caged, or abused or even when we see them suffer from the loss of their habitat.

It is interesting to note that a recent scientific report indicated that people with pets have a significantly lower chance of heart attack and suffer less from anxiety.

Similarly a reverse anxiety affect (removal of the emotional void) could be explained as being responsible for the sensation felt by many people when they experience the sound of rain, flowing rivers, or the feeling of calm from visiting forests or from seeing other wild creatures happily enjoying their habitat. Moreover, the feeling of exhilaration that people report experiencing during eco-tourism adventures could be another manifestation of the same affect.

Conclusion

In summary, many of the problems experienced or suffered by you or your family may be partly addressed by returning to the values and experiences of our ancient ancestors. For example, a family group hug, camping trip, adventure or group challenge in the wild or a holiday on a real-life farm may reduce the stress and/or the problems that you may be experiencing. But this is only meant as 'food for thought' and has not to date been openly supported by any psychological group or association. But it certainly works for me.

Appendix H

Monitoring global warming at home

Overview

There is an old saying in science that the flap of a butterfly's wing in Brazil can set off a tornado in Texas. Predicting the weather is a bit like that in that it is an imperfect science because there are just too many variables for accuracy to be certain. But to get a 'feeling' of the trend in what's going on you only need to know a couple of basic principles and watch the news. Those principles are-

Global warming increases the temp of the air and the oceans.

Warm air sucks up more water by evaporation

Warm air can hold more water but when it hits cold air it can rain heavier

Warm air stimulates storms that unleash lightning

How to get a feel for the trend

Track through the internet the arctic ice sheets for seasonal and long-term contractions or expansions and keep an eye on the **World** weather and monitor:

- Incidents of above normal and below normal temperatures
- Incidents of floods and above normal or below normal rainfall
- Incidents of above normal and abnormal storm and tornados
- Incidents of forest fires... again, normal or abnormal
- Incidents of droughts.... again, normal or abnormal

Usually the news only reports abnormal incidents so the frequency or number of those incidents can give you a firm hint as to the trend of what's going on. Unfortunately, so to can the resulting fatalities indicate a deadly trend but with the ever-increasing global population and warming for that matter we can only expect ever increasing incidents and number of human deaths. However do not rely on comparing the current frequency of events, or human fatalities resulting from those events to old historical statics to arrive at a trend, as the news coverage and severe weather warnings have dramatically improved over the last few years and can distort the result significantly.

Appendix I

How religions can help; Voices and Actions

Broadly

With over 2 billion Christians, Muslims and Jews in the world their combined voice could strongly influence individuals, local communities and others in polarizing sentiment toward combating manmade climate change. Furthermore, as climate change is not a political issue but rather a life threatening one that subject should be high on the agenda for all religions and be an extremely strong common ground for uniting them on its own.

Additionally, their combined voice could also greatly assist in reducing sectarian division and violence that abounds in various countries, regions and even within communities around the world. It's even here in Australia.

What's more; how can we ever expect mankind to *unite* to combat manmade climate change and counteract sectarian division and violence if our religions don't *unite* as an example to us and therefore help encourage us to unite along our way?

Specifically

Nevertheless, each church parish and religion can help enormously by:

1. Clarifying to parishioners what manmade global warming is [buildup of greenhouse gases in the atmosphere that traps heat from the sun], and what has technically caused it [excessive consumption and energy use by mankind]. Explain to them how sensitive our atmosphere is to greenhouse gas emissions and the enormity of the danger that manmade climate change poses to mankind. Make particular mention of the threat to our future generation's survival. Emphasize that the church encourages all efforts to combat it;
2. Explaining to parishioners that the gradual distancing of mankind from nature and his fellow man has played a significant role in the cause of global warming and why mankind has failed to date to adequately respond to the challenge of combating it. For further information see **Appendix A**, pg.40; **Background: 'In the carbon footsteps of mankind'**;
3. Emphasize to parishioners that mankind is only one of many species on this planet and that if we have created a problem that affects other species then we have a responsibility to fix it;

4. Encourage parishioners to directly participate in, and help stimulate governments, industry and others to take the necessary action to combat manmade climate change. Remind them that this is not a political issue but rather a life threatening one and that their Church and their support are both vital;
5. Encourage guest speakers to appear at church functions and give lectures on local, national and international environmental and human issues;
6. Create a website to gather and give news and information on environmental and human issues to parishioners and the local community. Moreover, form sister relationships with a church or churches in front line areas of climate change e.g. Canada, Greenland, Russia or even Texas and get and give first-hand accounts and even over support;
7. Create committees, both within the church and jointly with other religions to coordinate and promote environmental responsibilities and human issues including discouraging greed, corruption, consumerism, human violence and religious and racial paranoia in your area and in the greater community. Emphasize that discussion and debate over issues is helpful, and broad consensus is vital, but sectarian division is counterproductive and often destructive and can even lead to violence;
8. Encouraging Church schools as low as kindergarten to educate the young in caring for the environment while discouraging and mocking irresponsibility and vandalism like the recent dramatic increase in kids willfully lighting forest fires. In church run schools encourage the introduction of short courses in for example 'The World's Environmental Health and You' or 'Our Environmental Responsibilities' and possibly make available brief take home reading material on same. Encourage study and assignment topics on environmental issues and if possible, support school field trips to Council recycling plants, forests, factories, housing development sites both before and after development and even refuge dumps showing waste;
9. Encourage collections for climatic disasters that are occurring around the world. This will assist the victims and provide a second life for unwanted goods and apparel while re-invigorating parishioners concerns and diligence toward helping avoid further disasters;
10. If possible, offer a small section of the church grounds for a veggie patch and encourage parishioners who don't have available space in their unit or home to care for the patch and avail them the produce. This will also promote group human endeavour and closer ties to nature;

- 11.* Encouraging parishioners, their kids and grandkids to consider their lifestyles and carefully weigh up what they desire in goods and services against what is environmentally sustainable and what they justifiably need. Emphasizes the **'need test'** to be applied to all potential purchases and not the **'want test'** as detailed on page 8 of this document in **Consumerism versus restraint: 'need' not 'want'**;
- 12.* Supply parishioners with a copy of the section in this document or supply your own material that details what we can each do at home to combat climate change. See page 25 **What you can do now and at home**;
- 13.* Be aware that some of the social problems that you could be confronted with could stem from the breakdown of the close historical ties that mankind once had with nature and his fellow man. For further information see **Appendix G, pg.51; Social Disintegration; Food for Thought.**