



## **STOP THE DENIAL BY JUSTIN BARTLETT**

Global warming, the increase of temperature in the earth's atmosphere, has caused speculation about whether it exist and if it is manmade. Whether it's man made or not global warming poses a serious threat to our world. In this essay it will discuss Greenhouse gases, climate change, whether global exists, and whether it is manmade.

There are known contributing factors to global warming such as the green house gases. Green house gases, such as Methane, have contributed to the problem. Methane is a widely used fuel. Known as CH<sub>4</sub>, Methane is a colorless and odorless gas. Its melting temperature is -184 degrees Celsius and boils at -161.4 degrees Celsius. Formed by decomposition of plant and animal matter, methane is a greenhouse gas because once it is heated Methane is in the air it absorbs heat, does not easily let go and add heat to the atmosphere. This is the greenhouse effect. It is the global rising of the Earth's surface through a slow process that is caused by heat absorbed by methane and other gasses like Carbon Dioxide. Thanks to this the effect, climate change is now not entirely avoidable. This is in part because of our previous lacking in attempting to fix the problem. Global warming now has caused some permanent damage. Adding to the greenhouse effect is the growth in agriculture, industry, and

transportation that give off greenhouse gasses. It is a fact that increases in the quantity of greenhouse gases has increased the global temperature. There are effects of global warming, one of which is the sea level, which if climate change happens will rise due to wind-driven waves and tides. Another effect of global warming is the temperature of the ocean rising. This is causing jellyfish to flourish in these warm water. In result this has already started to create an imbalance and will continue to do so if global warming is not prevented.

There have been attempts to fight global warming in the past, but unfortunately they have all failed so far. One example of this was the Kyoto Protocol of 1997. In it there was an international agreement to fight global warming. Over 125 nations agreed to the Kyoto Protocol. However in 2001 President Bush abandoned the Kyoto Protocol because the US was producing one fourth of the world's greenhouse gases. Other attempts to fight global warming are taking place now, but many are silenced by oil and natural gas industries.

Whether the Earth is warming is controversial. Some say global warming exists. It takes more effort to deny it then to accept the fact that it exists. One piece of evidence that global warming exists is presented in an article entitled "New article temperature records 'strengthen climate-change case'" from the newspaper Times, the (United Kingdom). In this article it states how the worlds' global temperature is actually rising. "The new land temperature records due to be published next year reveal that average temperatures in the northern hemisphere were about 0.1C warmer during the past decade... than had been previously been estimated... The temperature increase will be seen as significant against an overall warming of 0.6C globally during the past century." (3, 6) This shows global warming exists and that it is man made by showing that the Earths' temperature has been and is rising. This was found in recent studies not even published yet. The data used is accurate because it used more weather stations data than before. "The Stronger warming trend was revealed by the inclusion of

previously unavailable data from hundreds of additional weather stations in Russia, Canada, and other Arctic regions.” (5) This shows Global warming exists because their study was more accurate than those in the past because they used hundreds more of weather stations for their research. Although the case for global warming is very compelling some still believe it simply doesn’t exist and man has nothing to do with it.

Some say global warming doesn’t exist or that if it does it has little to do with the actions of man. For instance in the article “Sun causes warming!” from mail on Sunday 11-6-11 says that global warming is a natural occurrence caused by the sun. “This planet has warmed up and cooled down umpteen times and will continue to do so.”(1).This article says global warming doesn’t exist because the world has warmed up and cooled down before. Another example is that man can barely make an impact on our huge world. “...the notion that the puny efforts of man can affect the climate to one trillionth of a degree caused by the sun is nonsense.”(2).This says global warming doesn’t exist because it is caused by the sun and humans are too, insignificant to play a role in it. Even though the idea of global warming being natural may be appealing and easily accepted there is very little evidence for it.

In terms of data and research global warming existing is most likely. From many large scale tests the results are confirming the already widely accepted idea that global warming really does exist. For example in an article entitled “Why World’s Weather Will be Going to Extremes” from the Tornado Star (Canada) Newspaper from 11-19-2011 it tells how global warming will cause more extreme weather. “Top international climate scientists and disaster experts meeting in Africa had a sharp message... Get ready for more dangerous and “unprecedented extreme weather” caused by global warming.”(1) This shows that global warming exists because scientists had a meeting on it and decided global warming would cause more extreme weather. We have seen extreme weather during the past few years. For instance in Massachusetts last year there was a very cold and harsh winter. However this year the

winter it was the opposite. Another instance of extreme weather is an article entitled “Storm Warnings: Extreme Weather Is a Product of Climate Change” where the article discusses the extreme weather caused by global warming. “In this year alone massive blizzards have struck the U.S. Northeast, tornadoes have ripped through the nation, mighty rivers like the Mississippi and Missouri have flowed over their banks, and floodwaters have covered huge swaths of Australia as well as displaced more than five million people in China and devastated Colombia.” This shows that effect that of extreme weather in just one year has caused in China and Australia, and how devastating it was. This can only reinforce the undeniable evidence that points to not only global warming existing, but also man having an effect on it.

Global warming is no longer controversy as much as it is fact. No longer is it the time for conversing, as much as it is for comprehension and action. Not only is it in existence it is created and greatly contributed by the footprint of man.

In short Global warming is most certain in existence. The idea is now backed by interminably meticulous analyses and data. Many scientists believe that extreme weather will come in conclusion to climate change. Whether man is causing global warming is still controversial, for it is convoluted whether man has a significant effect over that of the scale of nature. Man does have an effect no matter what the opposing side has for their rebuttal. Al Gore once said at his speech at National Sierra Club Convention, on Sept. 9, 2005 “Two thousand scientists, in a hundred countries, engaged in the most elaborate, well organized scientific collaboration in the history of humankind, have produced long-since a consensus that we will face a string of terrible catastrophes unless we act to prepare ourselves and deal with the underlying causes of global warming.” If we do not act soon upon the issue of global warming then we must brace ourselves for the many troubles it will bare upon us.

### Work Cited

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