

# GLOBAL WARMING

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While some would call global warming a theory, others would call it a proven set of facts. Opinions differ vehemently. Let us consider global warming to be both a premise that the environment of the world as we know it is slowly, but very surely increasing in overall air and water temperature, and a promise that if whatever is causing this trend is not interrupted or challenged life on earth will dynamically be affected.

The prevailing counter opinion is that all that is presently perceived to be global warming is simply the result of a normal climactic swing in the direction of increased temperature. Many proponents of this global warming ideology have definitive social and financial interests in these claims.

Global warming and climate change are aspects of our environment that cannot be easily or quickly discounted. Many factions still strongly feel that the changes our Earth is seeing are the result of a natural climatic adjustment. Regardless of one's perspective the effects of global warming are a quantifiable set of environmental results that are in addition to any normal changes in climate. That is why the effects of global warming have catastrophic potential. Global warming may well be the straw that breaks the camel's back. It could turn out to be the difference between a category three hurricane and a category four. Global warming as caused by greenhouse gas emissions can lead us to a definite imbalance of nature.

The premise of global warming as an issue of debate is that industrial growth coupled with non-structured methods we as humans use to sustain ourselves has created a situation where our planet is getting progressively hotter. We have seemingly negatively effected our environment by a cycle of harmful processes that now seem to be feeding upon themselves to exponentially increase the damage to our ecosystem.

Most modern attention to the problem of global warming began with discussion of depletion of the Earth's Ozone layer. Ozone (O<sub>3</sub>) is a molecular form of Oxygen. The Ozone layer is a relatively thin strata of these molecules set in the lower portion of the Earth's stratosphere.

Depletion of the Earth's Ozone layer has resulted in a large increase in Ultra Violet Radiation reaching the surface of the earth. Does this increase in UV rays equate to global warming? Not really. In fact most scientific opinion is that depletion of the Ozone layer results in cooling of both the stratosphere and troposphere. So why mention depletion of the Ozone layer as regards to global warming? Because it represents a needed balance between harmful radiation being allowed to reach the earth's surface and our desire to stem the rapid increase in our air and water temperature. Remember, we are viewing global warming as a chain of events.

The primary cause of global warming is Carbon Dioxide emissions. CO<sub>2</sub> is being pumped into our atmosphere at an insane pace; 8 billion tons of CO<sub>2</sub> entered the air last year. Of course some of this is due to natural activity such as volcanic eruptions and people breathing. But the Earth is equipped to easily absorb those into the normal regenerative process. No, the beginning of global warming was caused by fossil fuels being burned and emitting plenty of CO<sub>2</sub>.

Currently in the world 40% of all CO<sub>2</sub> emissions are caused by power plants. These are burning coal, natural gas and diesel fuel. Some power plants burn garbage. Some burn methane made from garbage. And discounting those super green electrical generating plants designed to issue negligible pollutants, all of our power plants let loose into the atmosphere CO<sub>2</sub>.  
ics and mentality.