

Practice 1.

M T W T F S S

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"Global Warming is an Expensive Hoax"

Outline

1. Introduction

Thesis Statement: It is claimed that global warming is an alarming reality but some people deny this fact and regard it as a deception or a natural process. Global warming is an anthropogenic driven phenomenon. It is a scientifically proven reality with significant impacts.

2. Global Warming is a Costly Deception

3. Global Warming is a Reality Driven by Anthropogenic Activities

3.1 - Rising Concentration of CO_2 due to human activities

3.2 - Unprecedented increase in temperature

3.3 - Rising temperature is making more of the planet uninhabitable

3.4 - Increased use of fossil fuel is a contributing factor

3.5 - Increased climate variability due to Global Warming

4. Global Warming is a deception and is a Natural process

4.1. Carbondioxide is not the main driver of warming.

4.2- Temperature data is manipulated

4.3- Climate Science is politically and financially motivated

4.4- Renewable Energy Transition is a money-making scheme

4.5- Historical climate variability disapproves human impact

5. Global Warming is a scientifically proven fact with significant outcomes

5.1. Increased Carbondioxide levels accelerate the natural Greenhouse effect

5.2- Scientific consensus on global warming trends

5.3- Increased frequency and intensity of disasters validate the claim

5.4. Renewable Energy is cheaper than ever

5.5. The rate of contemporary warming is abnormal

6. Conclusion

"The greatest threat to our planet is the belief that someone else will save it," Robert Swan warned in the penguin letters. But

what is the real threat is not the climate change itself - but the idea that it's all hoax?

It is claimed that the global warming is an alarming reality but some people deny this fact and regard it as a costly deception or a natural process. Global warming is an anthropogenic driven phenomenon. It is a scientifically proven reality which has significant impacts. The concentration of carbon dioxide in the atmosphere is increasing mainly due to the human activities. This elevated concentration is substantially contributing in elevating average temperature of the earth and making it increasingly uninhabitable with each degree of future warming. Increased use of fossil fuels is also playing its role in climate variability. But some people call it a hoax and deception,

motivated by political and financial agendas.

These critiques say that carbon dioxide is not the main driver of warming and that it is a natural process. According to them, temperature data is manipulated and historical climate variability also disapproves human impact. Critiques call it an expensive hoax "(to make)" and a scheme to make money from renewable energy transition.

But in reality, enhanced greenhouse effect, increased intensity and frequency of natural disasters, unprecedented warming, and scientific consensus on this issue, prove that global warming is an alarming reality with significant outcomes. Moreover, renewable energy is cheaper and environment friendly. Therefore, global warming is an undeniable fact and reality.

Global warming is the long term rise in the Earth's average temperature due to human activities like burning of fossil fuels and deforestation. Global warming is causing climate and environmental

changes. Increasing carbondioxide concentration traps more heat making the planet ^{more} warmer with each passing day. As of 2024, earth's temperature has risen by approximately 1.2°C above the pre-industrial level, according to IPCC's sixth assessment Report. This increasing temperature is driving many other factors like glacier melting, sea-level rise, wildfires, bio-diversity loss, floods, droughts and many other disasters.

According to International Centre for Integrated Mountain Development, the glaciers in the Hindukush and Himalya region are retreating at an alarming rate and with current trend of warming 30-40% will be lost by 2100. But there are critics who deny all the facts and realities and claim that all of this is a part of natural cycle and there is no such thing as climate change or global warming. According to them, all of this is a deception to manipulate the masses and extort money from them by presenting new and innovative way to combat climate change such as renewable energy

transition. They argue that global warming is a natural process and humans are being deceived by the scientific community but there is clear evidence that the current warming is driven by anthropogenic activities and is posing an alarming situation for the future.

The concentration of carbon dioxide is increasing in the atmosphere due to human activities. Human activities such as deforestation, transportation, urbanization, etc are introducing abnormal levels of carbon dioxide in the atmosphere. This increased concentration of carbon dioxide traps more heat in the atmosphere and prevent it from escaping, thereby contributing to the global warming. According to the **World Meteorological Organization (WMO)**, the concentration of carbon dioxide in the atmosphere is **41.6 billion tonnes in 2024** mainly driven by the land use change and use of fossil fuels. Therefore, the levels of carbon dioxide are increasing in the atmosphere due to human activities.

and is reinforcing the climate change induced by man.

Due to the rising levels of carbon dioxide in the atmosphere, there is unprecedented rise in the temperature. Increased levels of CO_2 , mainly due to deforestation, fossil fuel consumption is boiling the earth. Now, the world has crossed the threshold of global warming and is moving towards global boiling. The **World Meteorological Organization** has declared **2024 as the warmest year on the record**, based on six international data sets. The past ten years ^{have} all been in top ten, in an extra-ordinary streak of record breaking temperatures. These rising temperatures due to human activities is making more of the planet uninhabitable.

The unprecedented hike in temperature is making more of the planet not ideal to sustain life. (Due to increasing temperature and humidity/human physiology is unable to adapt). Physiologically, human beings are not fit to survive this elevated temperature.

As a result, people migrate and live in extreme conditions to continue their survival. Around 600 million people are living outside the habitable climatic conditions, and with each degree of future warming, an estimated 10% of global population will join them. South Asia and Persian Gulf are already experiencing deadly heat as the world approaches 1.5°C of warming. Therefore, rising temperature is turning more of the planet uninhabitable.

— Future Earth, 10 New Insights in Climate Science 2024/2025 Report.

The increased consumption of fossil fuels by human beings is also one of the main drivers of global warming. As there is more consumption of fossil fuels, resultantly there is an increased amount of greenhouse gases in the atmosphere. This elevated level of greenhouse gases trap the heat from the sun and, therefore,

increase the temperature of earth. According to the **National Oceanic and Atmospheric Administration (NOAA)**, the atmospheric carbondioxide concentration has reached **421 parts per million (ppm) in 2024**, the highest level in at least 3 million years. And most of it because of the consumption of fossil fuels. This rising levels of greenhouse gases due to fossil fuel consumption is causing unprecedented increase in temperature and increase in climate variability.

Global warming is leading to the increased climate variability. Global warming is being increasingly observed. Unpredictable and extreme weather patterns are happening due to the climate change. According to the **WMO Secretary General, Celeste Saulo**, "as a result of rising temperatures, the hydrological cycle has accelerated. It has also become more erratic and unpredictable, and we are facing growing problems of either too much or

too little water. A warmer atmosphere holds more moisture which is conducive to heavy rainfall." Therefore, global warming has become a chain reaction in which one disaster leads to another yet there are some critics who deny this fact and all its consequences. According to them global warming is a deception and a natural cycle.

Critics argue that carbondioxide is not the main driver of global warming. They claim that natural factors such as solar cycles, water vapor, dominate climate change. According to this argument, the levels of carbondioxide rises **lag temperature increases** and not the other way round. According to a research paper of 2020, '**the phase relation between carbondioxide and temperature**', carbondioxide lags temperature in glacial cycle, reflecting a feedback mechanism i.e. warming oceans release carbondioxide. This shows that carbondioxide

is not main driver of warming but instead lags in this race.

The proponents of the claim that the global warming is hoax suggest that the temperature data is manipulated and climate models are inaccurate.

Critics claim that climate models overpredict warming. This shows data manipulation to create a false perception of the actual reality.

The satellite Temperature Data Analysis by University of Alabama, shows a warming trend of 0.13°C per decade, while models predicted 0.2°C per decade.

Therefore, the temperature data is manipulated and false, and the climate science is being used to fulfil political and economic motives.

- Satellite Temperature Data Analysis, University of Alabama, 2022.

Critiques allege that the climate research is funded to push political and financial agendas. Different countries are funding the research to preach

their distorted narratives about climate change and its consequences. The **United States government spent 13.6 billion on climate science from 2018 to 2023.**

Skeptics claim that this creates bias and helps them to achieve their political agendas. By funding ~~support~~ research, they're forcing pre-determined conclusion upon common people and marking a way towards renewable energy.

The critiques argue that transition towards renewable energy is in fact a money making scheme. By highlighting the distressing false scenarios of the global warming, big companies and developed nations are trying to fill their pockets. The green policies enrich corporations and politicians. The global renewable energy market grew to **1.3 trillion dollars in 2022**, according to the **renewable energy market outlook, 2023**. Therefore, these big corporations and politicians represent global warming as

a terrifying reality to economically benefit from it.

Historical climate variability also disapproves that the rising temperatures are due to the human impacts. It has been claimed by some people that human activities are not the main drivers of climate change. Earth's climate has changed naturally before in the little ice age and medieval warm period, so today's warming isn't unusual. A 2023 Heartland Institute report claims that current warming ~~isn't~~ **is** within natural variability. Therefore, it is also proven from the historical findings.

Heartland Institute, Climate Change Reconsidered, 2023.

Although some people claim that global warming is a natural process and, temperature data is manipulated, climate research is financially motivated and carbon dioxide isn't the main driver of warming, yet there are scientifically

proven facts that moulds the narrative of the rest of the world.

It is observed that increased carbon dioxide levels are accelerating the greenhouse effect. A phenomenon called **enhanced green house** is observed in the recent years. As the levels of carbon dioxide are rising above their normal levels they're trapping more than necessary heat (~~greenhouse effect~~) leading to an accelerated green house effect with increasing temperature. Many people are raising awareness regarding it to warn against its harmful consequences. As **Elon Musk** says, "**we're running the most dangerous experiment in our history right now which is to see how much carbon dioxide our atmosphere can handle before there is an environmental catastrophe.**" Therefore, the warnings of the scientific community and physically observed enhanced greenhouse effect provides a viable evidence to prove the fact the global warming is a fact

and a dangerous one.

There is a scientific consensus among the climate science on this fact and increasing trend of temperature. Over 99% of climate scientists agree that human activities, such as burning fossil fuels are the main cause of global warming since the 1900s. Different regions are facing intense and unparalleled disasters due to ~~it~~ ~~weather~~.

In 2023, Canada faced its worst wildfire season, burning over 45 million acres, linked to hotter, drier conditions. These events also align with climate models predicting more extreme weather. The scientific community is united on this front and regard it as an ultimate reality.

Canadian forest service, 2023.

The global warming is resulting in increased frequency and intensity of natural disasters. The temperature increase kick starts a chain reaction in disastrous events. Due to elevated temperatures, glaciers

are melting which is leading to floods, loss of fresh water ~~and~~, increase in sea-level and droughts. The United Nations good will ambassador Gise Bündchen explain it as a vicious cycle. According to her, one thing leads to another. Deforestation leads to climate change, which leads to ecosystem losses, which negatively impacts on livelihoods - it's a vicious cycle. The 2022 floods in Pakistan also displaced 33 million people and caused economic loss of approximately 30 billion dollars. These severe events are becoming increasingly intense and severe due to the climate change reinforced by the global warming.

- National Disaster Management Authority.

Renewable energy is cheaper as compared to the fossil fuels and this fact counters the claim of climate science skeptics that global warming is an agenda of corporations to economically benefit from it. Transitioning to renewable or clean energy is economically smart.

Solar or wind energies are now cheaper than coal and gas in most countries. For example, Norway generates 98% of its electricity from renewables and has lower energy costs than many fossil fuels dependent nations. Investing in clean energy is a critical step to protect our planet and economy.

- IEA, 2023.

Even if the historical climate variability disapproves human impacts on the temperature rise, the rate of contemporary warming is abnormal. Almost all the ten years in the past decade had been in ~~the top ten warm years~~ the top ten warm years. Every coming year is warmer than the previous one. As IPCC declared 2024 as the warmest year on record due to the extreme weather events last years. This abnormal rise in temperature, which we can feel in our normal lives every year is enough to validate the phenomenon of global warming. Therefore, it is a scientifically

proven reality and not a mere deception.

The broader picture reveals that the global warming is not an expensive hoax but an alarming reality. In the light of above discussion it is evident that the claim of global warming being politically and economically motivated is erroneous and faulty. Although historical findings regard global warming as a natural process but current situation is not relevant to it. There is now enough evidence to prove that the global warming is happening due to anthropogenic activities such as consumption of fossil fuels and deforestation.

While skeptics use selective data to argue global warming is a hoax, their claim lack context. Therefore, it is the right time to accept this reality to shape our future accordingly in this unseen war. As former president of United States of America says, 'We are the first generation to face the effects of the climate change and ^{also} the last generation

Who can do something about it."

- Barack Obama, UN Climate Summit, 2014.

Remarks / Recommendations: