

The role of renewable energy in mitigating global warming

Outline

I - Introduction

Thesis statement: Renewable energy is the beacon of light in this era where global warming is prevalent. The transition of burning of fossil fuels, green house gases emissions with renewable energy can mitigate global warming.

II - Importance of mitigating global warming

III - The role of renewable energy in mitigating global warming

1- Decarbonization of energy systems

2- Reduction of Green house gases emissions by renewable energy

2.1. Solar energy in California, USA

3- Wind energy technology

3.1. Offshore wind farms in the UK

4- Hydro Energy technology

5- Solar Energy

6- Geo-thermal energy

7- Biomass energy

7.1. Biomass energy in rural India

IV - Ways to promote the usage of Renewable energy for global warming mitigation

- 1- Implimentation of policies and regulation for renewable energy
- 2- Finance Renewable energy
2+ Green bonds in China
- 3- Public Awareness and Education
3+ Public Awareness campaigns in Japan
- 4- Grid integration and Infrastructure
4+ Smart grids in Korea
- 5- International Cooperation and Agreements
- 6- Energy storage and backup power

V - Conclusion

The Essay

"We must harness the power of renewable energy to create a better future for us. It is the only way we can ensure a sustainable and equitable future."

(Kofi Annan)

Global warming is one of the most pressing issues of our time, with far-reaching consequences for the environment, human health and globally for economy. Human activities such as burning of fossil fuels, greenhouse gas emissions, deforestation, industrial process and landfill emissions are deteriorating conditions. In the last 25 years, the global temperature has raised to 1.5°C . Further increase may result in severe results. To avoid these results, renewable energy is ultimate weapon against this chaos. Renewable energy sources such as solar, wind, geothermal biomass and hydro energy can

save our planet from far reaching consequences. The replacement of all those sources, contributing to global warming with renewable energy can mitigate global warming. This essay would delve into the role of renewable energy in mitigating global warming and potential ways for its promotion.

kindly provide detailed feedbacks. only ticked questions are not enough for improvement .