

## RENEWABLE ENERGY SOURCES AND TECHNOLOGIES

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### ABSTRACT

*The world is rapidly turning into a global village due to the increase in the daily energy demand of the entire population around the world, while the earth in its form cannot change. The need for energy and related services to meet the needs of social and economic development, welfare and health of people is increasing. Returning to the use of renewable energy sources for climate change mitigation is an excellent approach that must be sustainable in order to meet the energy needs of future generations. The study looked at the opportunities associated with renewable energy, including: energy security, energy access, socio-economic development, climate change mitigation and reduced environmental and health impacts. Despite on the these opportunities exist \_ challenges that hinder the sustainability of renewable energy use for climate change mitigation. These challenges include market failures, lack of information, access to raw materials for the future use of renewable resources, and our daily carbon footprint. The study proposes some measures and policy recommendations that, if considered, will help achieve the goal renewable energy sources to reduce emissions, mitigate the effects of climate change and ensure a clean environment and clean energy for all and future generations.*

**KEYWORDS:** *Rapidly Turning, Comfort, Mobility, Traditional, Renewable.*

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