



## **Population Growth and Its Impact on Environmental Situation – Policy Recommendations for a Sustainable Energy Future**

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**Abstract:** Energy security, economic growth, and environment protection are the national energy policy drivers of any country in the world. As world populations grow, many faster than the average 2%, the need for more and more energy is exacerbated. Enhanced lifestyle and energy demand rise together and the wealthy industrialized economics, which contain 25% of the world's population, consume 75% of the world's energy supply. The world's energy consumption today is estimated to be  $22 \times 10^9$  k per year. About  $6.6 \times 10^9$  metric tons of carbon equivalent of greenhouse gas (GHG) emission are released in the atmosphere to meet this energy demand. Approximately 80% is due to carbon emissions from the combustion of energy fuels. This paper presents the environmental effect of different usage of energy and the policy driven by different countries.

**Keywords:** *energy, sustainability, energy consumption, environmental transformation.*

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