

## The Environmental Challenges of Energy Generation and Usage in Nigeria

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**Abstract :** The problems placed on the environment as a result of energy generation and usage in Nigeria are: Potential damage to the environment health by Co, Co<sub>2</sub>, Sox and Nox effluent gas emissions and global warming. For instance in the year 2004 in Nigeria energy consumption was 58% oil and 34% natural gas but about 94 million metric tons of Co<sub>2</sub> was emitted out of which 64% came from fossil fuels while about 35% came from fuel wood. The findings from this research on how to alleviate these problems are that long term sustainable development solutions should be enhanced globally; energy should be used more rationally renewable energy resources should be exploited and the existing emissions should be controlled to tolerate limits because the increase in energy demand in Nigeria places enormous strain on current energy facilities.

**Keywords :** energy generation, environmental health, effluent gas emission, global warming, fossil fuel

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