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## Thunderstorm energy: An alternative energy resource in the humid tropical region of West Africa

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The continued extreme use of fossil fuels to meet world energy needs is putting the Earth at risk for significant climate change. In an uncontrolled experiment, the buildup of carbon dioxide and other greenhouse gases is apparently affecting the Earth's climate. There have been several evidences on the utilizations of some renewable energy resources but facts and technological innovations on the use of thunder storm energy are still scares. Thunderstorm which is also known as an electrical storm, lightning storm or thundershower, is a storm characterized by the presence of lightning and its acoustic effects on earth atmosphere. Each lightning strike has an average of 5 billion joules of energy which is equivalent to about 1,400 kWh at zero loss in transfer and storage. Our focus is to look into harnessing the thunderstorm power more in the newest future for energy, especially in the humid zones where multiple thunderstorms are prevalent.

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