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TRADEOFFS RENEWABLE ENERGY IN EGYPT (TREE)-SUSTAINABLE ENERGY FUTURE IN GULF OF SUEZ

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ABSTRACT

The Limited availability of conventional energy along with growing environmental issues have become increasingly prominent. With the world's growing demand for energy and the limited reserves of conventional non-renewable resources, mankind is facing a serious energy crisis. Coupled with the use of fossil fuels, this has brought serious environmental pollution problems. Thus, the current trend of international attention to environmental protection and renewable energy. In other words, the transition to energy development is imminent and the need is growing to constantly develop green renewable energy generation technologies.

Although wind, solar and tidal resources at one location will always be intermittently when they are considered in isolation, several methods exist to reduce intermittent of delivered power. These include combining geographically disperse intermittent sources of the same type, using storage, and combining different renewable with complementary intermittencies (Hoste, Dvorak and Jacobson, 2011. p2)

The focus of this paper is to discuss the prospects of combining a number of renewable energy sources within the Gulf of Suez region to overcome the problem of intermittency. Different mixes are proposed while taking into consideration the necessary tradeoffs.

KEYWORDS: *Tradeoffs Means of Exchanges Availability Sources of Renewable Energy, Renewable Energy Generated from Many Nature, Sources, Wind, Solar, Hydro and Geothermal are Available in Egypt Country in Different Locations*