

Sustainability and Renewable Energy

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Abstract: *To address the current environmental issues, sustained development initiatives over the long term are required. One of the most economical and effective energy sources is renewable energy. Because of this, sustainable development and renewable energy are closely related. This study thoroughly examines projected future energy consumption trends and related environmental effects (with an emphasis on acid precipitation, stratospheric ozone depletion, and the greenhouse effect). Technology related to renewable energy is also identified, as are prospective solutions to current environmental issues. A practical example and an illustrative one are provided to demonstrate the relationships between renewable energy and sustainable development. Numerous issues pertaining to sustainable development, the environment, and renewable energy are examined from both the present and the future throughout the essay.*

Keywords: environmental issues