

Solar energy and sustainability journal

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This review analyzes several existing models to estimate the energy produced and expected cost of small hydropower projects for grid-connected and off-grid/micro-grid applications and aims to suggest the most appropriate model according to the context of study and proposes methods to use them more efficiently.

An investigation into the potential for new wind and solar projects already proposed in the ERCOT interconnection queue as of June 2020 to replace the coal power that remained in 2019. The authors conclude that the wind and solar portfolio would outproduce retired coal on summer afternoons when demand peaks, leaving small gaps in evenings and shoulder seasons when demand is lower.

As of the 1st of January 2023, Renewables: Wind, Water, and Solar is published under the new title Sustainable Energy Research. The journal welcomes contributions on all sources of energy that support a sustainable approach to energy transformation, including renewable energy, energy efficient systems, and innovative and green systems that contribute to reducing energy poverty and the use of polluting and inefficient energy systems.

While focusing primarily on basic science and technological aspects, Sustainable Energy Research considers reviews and policy issue articles on themes that affect sustainable energy technologies and their implementation.

This study critically reviews the latest advancements in renewable Power-to-Xtechnology and evaluates its potential application within Nigeria"s energy sector.

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