

In this study, an economic analysis on decentralized hybrid energy systems in Mavuva Island was conducted with HOMER. The results from simulation and sensitivity analysis showed that a ...

The objective of this work is to investigate the feasibility of a wind/solar photovoltaic/diesel generator-based hybrid power system in a remote location in Fiji islands. ...

In 1998, a wind/solar/diesel-based hybrid mini-grid system was established at this location, but the hybrid system has fallen into a state of disrepair due to several reasons; now, the electricity is ...

PV-diesel hybrid power systems combine solar photovoltaic (PV) panels and diesel generators to provide reliable electricity in remote areas. The solar PV panels convert sunlight into electricity, while the diesel ...

The Fiji Sustainable Energy Hybrid Power Project was initially designed with co-finance from the Fiji Government; and intended to supply and install Solar PV-diesel hybrid power systems for ...

The objective of this work is to investigate the feasibility of a wind/solar photovoltaic/diesel generator-based hybrid power system in a remote location in Fiji islands. We used the Hybrid ...

In this paper, the sizing of photovoltaic-diesel hybrid system with grid connection is calculated for the electricity consumption of an industry. The study area of this paper is ...

The objective of this work is to investigate the feasibility of a wind/solar photovoltaic/diesel generator-based hybrid power system in a remote location in the Fiji islands. We used the hybrid Optimization Model for Electric ...

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