

# Micronesia solar panel project

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Typical projects: Project: 2MWp solar photovoltaic system and 2MW-h battery energy storage system construction. Employer: Kepirohi Solar Energy Limited Project feature: 2,028KWp Ground-mounted PV System, energy management system. Location: Pohnpei State, Micronesia

Yap State Public Service Corp. is seeking bids to supply solar minigrids with battery energy storage systems (BESS), totaling 79 kW, for Yap Island in the Federated States of Micronesia.

On Yap, another pristine island on the other side of Micronesia's territory, they are planning to install a 1.95 MW ground-mounted photovoltaic solar system together with a battery storage system. The program will also support capacity building with the utility company on the largest island Pohnpei.

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Let's face it, not all regions are created the same. Some places, such as Micronesia, simply cannot rely on a standard utility grid. Which is why installing off-grid PV panels is the most practical way to achieve reliable electricity.

This project features solar PV systems on 11 government buildings. With a total installed capacity of 2.3 MWp, it reduces annual diesel fuel consumption by 1.22 million liters and mitigates 3,220 tonnes of CO2 emissions annually.

If photovoltaic solar power - one of the simplest and most reliable renewable energy systems - has problems in Micronesia, how can we hope to solve our energy problem? The solutions lie in fitting renewable energy systems into traditional Micronesian ways of life.

PEPP's innovative and collaborative approach to problem-solving is reflected in its inaugural project, which will address the long-term electrical power needs of the State of Pohnpei, in the Federated States of Micronesia. Pohnpei's electricity rate is among the highest in the world.



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