

the socio-economic development needs of Nauru. The outcome of the project will be that NUC, the state-owned power and water utility, will supply reliable and cleaner electricity. Once this project - 6 MW solar PV and BESS - and the MFAT project - 1 MW solar PV - are completed,

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Nauru has recently invested almost \$30 million in a photovoltaic and battery energy storage combination. The project will finance a 6 megawatt (MW) grid-connected photovoltaic solar system together with a battery energy storage system, that will be completed in 2023 and save over 11,000 tons of CO2 equivalent emissions annually.

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Energy security. Nauru relies heavily on imported diesel for power generation. In 2018, only about 3% of its total electricity came from solar photovoltaic installations; the rest came from diesel generators. All fuel is imported through Nauru's single commercial port, which

The project will reduce Nauru's dependence on diesel, bringing down the costs in electricity generation, improving local power supply and increase the share of renewable energy generation. Most importantly, it will significantly add to Nauru's environmental protection efforts, thereby achieving its sustainable development goals.

Policy Framework both state Nauru's aim to make 50% of energy provided through renewable energy by 2015. Solar resource measurements show an average of over 6 kWhr/m²/day with a seasonal variation of around 10-15%. A solar pre-feasibility study has shown that up to 1 MWp of solar PV could be installed without storage.

The Asian Development Bank (ADB) and the Government of Nauru have signed a USD 22 million grant for a project that will fund the delivery of reliable, affordable, secure, and sustainable solar energy to help meet the

socioeconomic development needs of ...

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