

Who will implement solar project in Nauru?

The executing agency will be the Department of Finance and Sustainable Development. The implementing agency for solar component of project will be the Nauru Utilities Corporation (NUC). NUC will establish a project management unit within their existing organisational structure to implement the project.

Why is Nauru so vulnerable to solar energy?

Solar energy is the only proven renewable energy resource which could be utilised in short to medium term to reduce dependency on fuel imports for electricity generation. The country's vulnerability is also increased by its isolation from other Pacific Islands. In 2012, SPC released an energy profile of Nauru based on 36 energy security indicators.

What is the impact of Nauru energy project?

The project impact is a reliable, affordable, secure, and sustainable energy supply to meet 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.

How will ADB support the Nauru solar power development project?

ADB also provided GoN support to prepare a Feasibility Study for the recommended Nauru Solar Power Development Project which will comprise of a 6 megawatt PV plant coupled with a 5 megawatt /2.5 megawatt-hour battery energy storage system coupled with a SCADA installation.

Does Nauru have an energy road map?

Currently Nauru is working on an Energy Road Map, including action plans for the development of renewable energy and energy efficiency sufficient to significantly lower imports of diesel fuel for electricity generation.

How will Nauru's solar power system work?

The system will be fully integrated and automated with the existing diesel generation (17.9 MW installed capacity currently manually operated) to optimize solar energy use, to enable optimal BESS charging/discharging and to provide optimal shut off of the diesel engines. This will reduce Nauru's over reliance on diesel for power generation.

Nauru: Solar Power Development Project Project to finance a 6MW grid connected solar power plant and 2.5MWh/5MW battery energy storage system for solar ...

The Nauru Solar Power Development Project - Battery Energy Storage System is being developed by Nauru Utilities. The project is owned by Nauru Utilities (100%). The key ...

The project will finance a 6MW grid connected solar power plant (measured as AC output) and

2.5MWh/5MW battery energy storage system (BESS) for solar smoothing energy storage (SSES).

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.

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The Nauru Energy Policy Framework (NEPF) was endorsed in 2009 and layout broad aims and strategies for the energy sector, including power, renewable and energy efficiency.

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In 2019, ADB and the Government of Nauru had signed a USD 22 Mn grant for solar projects with an objective to deliver reliable, affordable, secure and sustainable solar energy.16 Pacific Environment Community (PEC) has invested an amount of USD 4 Mn to install a solar power generation system in Nauru.

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The Nauru Solar Power Development Project - Battery Energy Storage System is being developed by Nauru Utilities. The project is owned by Nauru Utilities (100%). The key applications of the project are renewable energy integration and grid support services.

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Power systems solar Nauru

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