



Port moresby solar energy market

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Puma Energy Papua New Guinea has officially commissioned a solar project at its Napa Napa Refinery, marking a milestone for the company's solarisation journey, not only in PNG but also globally.

The project, which took four months to build, saw the installation of 684 solar panels at the Napa Napa Refinery, outside Port Moresby. This new setup can deliver 300KW of solar power, producing 485.5 MWh of energy per year, which will help modernise and reduce the facility's CO2 emissions.

The development is a key part of Puma Energy's sustainability strategy to reduce its operational GHG emissions. The company has set a sustainability target to reduce its global operational (Scope 1 and 2) emissions by 15 per cent by the end of 2025 and by 35 per cent by the end of 2032.

The solar project at Napa Napa refinery complements Puma Energy's global program to connect its Puma branded retail stations and other sites to solar energy. The company has already connected over 250 Puma branded retail stations to solar energy, and is planning to connect 300 hundred by the end of 2023. In total, the company has now installed 8,875 MW of solar energy generation capacity across its operations.

Alongside the solar capacity Puma Energy has already installed across its network, this project will allow Puma to apply the expertise gained through this installation to offer similar renewable solutions to our commercial customers in Papua New Guinea. This will mean they can benefit from reduced energy costs, lower greenhouse gas emissions and a reliable supply of energy.

Papua New Guinea Company Chairman and Managing Director, Hulala Tokome said: "We are proud that Puma Energy PNG has launched the company's biggest solar project in the region. It highlights our firm long-term commitment to operating sustainably and responsibly in the country.

Papua New Guinea's enhanced Nationally Determined Contribution sets out ambitious plans to reduce its carbon emissions by half by 2030 and be entirely carbon neutral by 2050. This project fully supports these goals and, by helping our customers to install similar renewable energy solutions, Puma Energy can play a major role in helping the country meet these environmental commitments and promote energy security.

Executives and entrepreneurs Bankers and hedge fund managers Journalists and communications professionals Consultants and advisors of all kinds Academics and students Government and policy-research delegations Diplomats and expatriates

Despite PNG being a resource-rich nation with abundant sources of energy, access to power is very limited. It's estimated only 13 percent of people have access to on-grid electricity, mainly in urban areas. In remote areas, access is unreliable, blackouts are frequent, and costs are high. To ensure a reliable supply of power,



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many larger business customers generate their own power, which undermines the financial sustainability of the network.

"By boosting access to reliable, affordable and cleaner power, this project has the potential to improve many peoples' lives while contributing to a sustainable economic recovery from the devastating impacts of the ongoing COVID-19 pandemic," said IFC Resident Representative for Papua New Guinea, Markus Scheuermaier. "It will also deliver significant benefits to the small, and medium-sized businesses that are crucial to creating jobs, underscoring the vital role the private sector will play in PNG's recovery."

It's expected that attracting the private sector to these remote areas will require an innovative approach. Of PPL's 17 remote micro-grid centers, most use diesel, which studies show is not only expensive, but prone to price fluctuations and is highly polluting, damaging the environment and exposing people to adverse health outcomes.

About PNG Power PNG Power Ltd is a fully integrated power authority responsible for generation, transmission, distribution and retailing of electricity throughout Papua New Guinea and servicing individual electricity consumers. PNG Power services customers in almost all urban centers throughout the country encompassing industrial, commercial, government and domestic sectors. Where possible, the services extend to rural communities adjacent to these urban centers.

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