
ARMONIA 🌺, Access to Energy in Palau

100MW, the largest microgrid in the world

INVESTOR CALL - Milan, 15 October 2018



Key Figures

Target
45%

Renewables Penetration by 2019

Up to
35MWp
Photovoltaic Solar Generation

30 Years
Power Purchase Agreement

Up to
45MWh
Battery Energy Storage System



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PALAU Republic Highlights



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ITEM	KEY FINDINGS	NOTES
Government	Free association with the United States. Member of the UN since 1994.	Defense, funding, and access to social services mainly from US and Japan
Political Stability & Corruption	Member of United Nations Convention Against Corruption (UNCAC) and Asian Pacific Group on Money Laundering (APGML)	Country political stability rated 98th percentile (100 as highest rank) by World Bank in its latest report. Political Risk Index rated 7 (like China, while Italy is 7.5).
Banking Sector	U.S. banks (Bank of Hawaii, the Bank of the Pacific, and the Bank of Guam.)	Strong banking sector with FDIC-insured U.S. banks. IMF praised Palau's healthy and efficient banking sector.
Currency and Coverage	\$ (USD)	Palau is a member of the Multilateral Investment Guarantee Agency (MIGA) of the World Bank Group.
2017 GDP	293mln\$ / 15.8k\$ pro-capita	See Table Population and GDP
Unemployment & Life	Unemployment rate at 4.2%	Life expectancy at 72 years

PALAU Energy Landscape Focus



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Power Generation	12.4MW peak power, supplied by 2 diesel power stations. 87GWh/year (increasing progressively since 2009, and expected to exceed 110GWh in 2025)	Interconnected by one circuit of 34.5kV transmission line, 13.8kV MV distribution system and 240/120 V LV distribution system.
Solar potential	1,337 kWh/kWp	35MW of land areas for solar installation already identified and secured by GridMarket.
Palau Energy Roadmap	45% RES penetration storage enabled by 2025	Funded by IRENA and Japan International Cooperation Agency (JICA)
PPUC FY 2016 Financials	20mIn\$ revenues, 2.3mIn\$ profit. 7mIn\$ indebtedness. Capital to asset ratio stable at 65%	Recipient of large contributions by donors (mainly Japanese government)

Population and GDP

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	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Population	17,401	17,346	17,661	17,864	17,889
Constant Price GDP (in US\$ millions)	259.162	266.184	293.124	293.425	283.514
GDP constant price per capita, 2015 prices, US\$	14,893	15,345	16,597	16,425	15,839

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Q&A
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