

ACCESS TO ELECTRICITY



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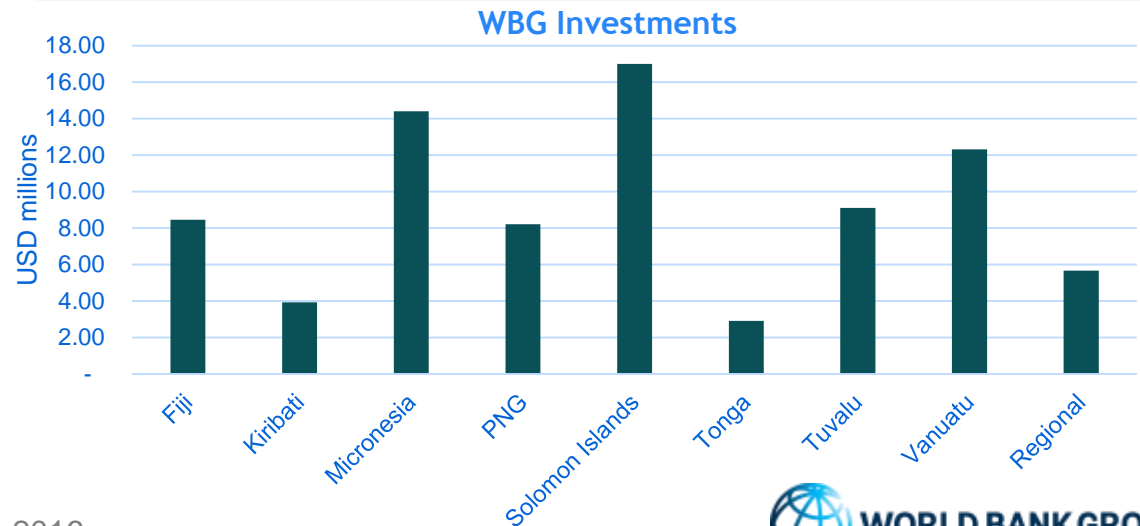
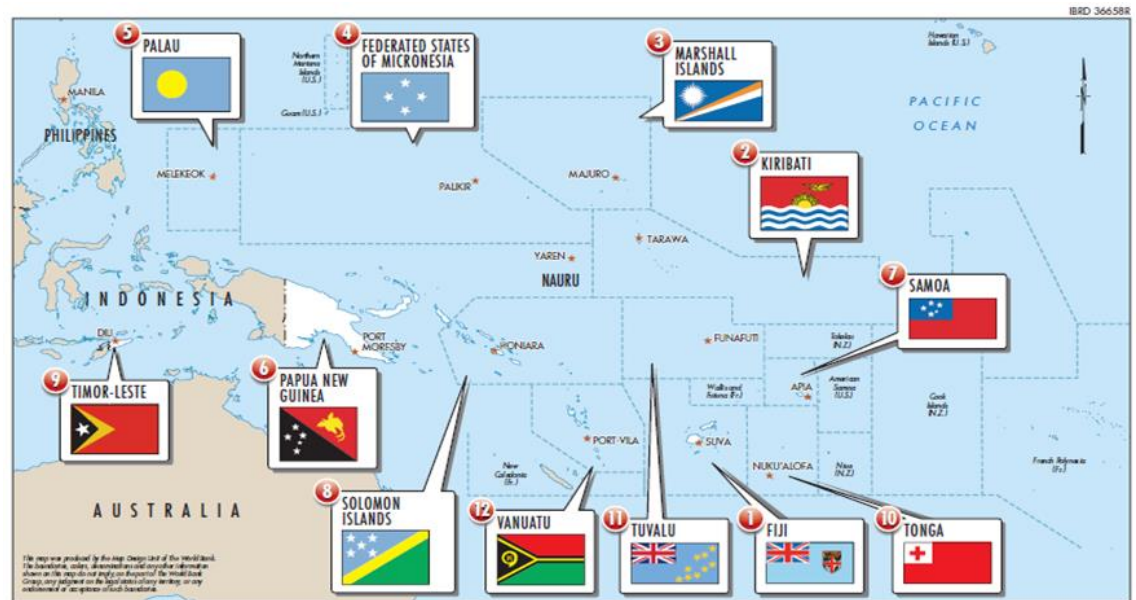
Kamleshwar Khelawan
June, 2016

The World Bank Group



World Bank Group (WBG) Pacific Energy Program

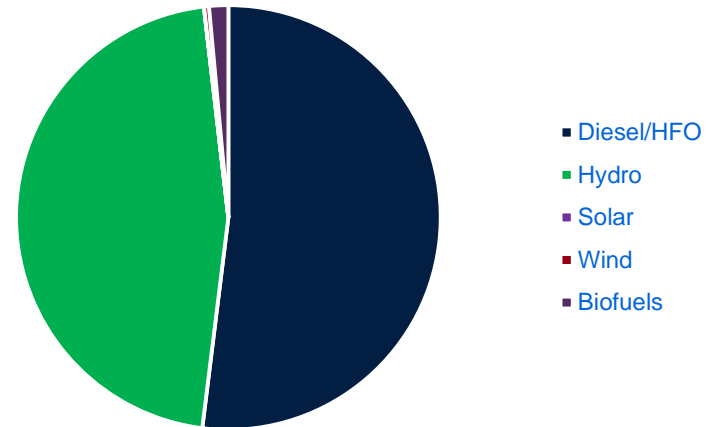
- The WBG in Timor-Leste, Papua New Guinea and 11 Pacific Islands.
- The WBG active in 8 Island nations and regionally: FSM, Fiji, Papua New Guinea, Kiribati, Solomon Islands, Tonga, Tuvalu and Vanuatu.
- The energy program supports:
 - Investment lending projects; and
 - Advisory services and analytics projects.
- In 2016, Total of over USD 80 million (IDA/IBRD) and USD 10 million (IFC).



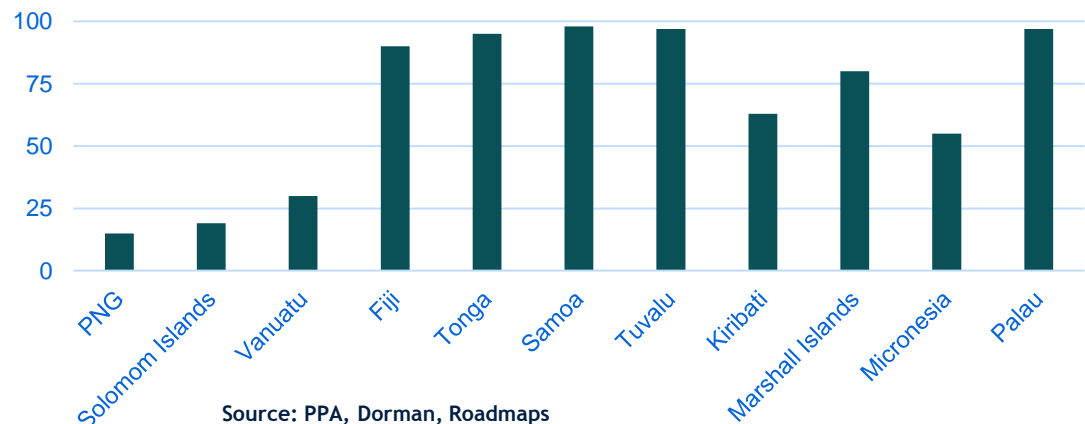
Pacific Energy - Challenges and Focus

- Strengthening energy planning, policy, institutional and regulatory frameworks, and capacity building.
- Utilities' reform: improved performance and sustainability
- Increasing access to affordable, reliable and sustainable electricity services; and
- Facilitating least-cost power infrastructure, including through Public-Private Partnerships.

Electricity generation by fuel



Energy Access %



Sustainable Energy Finance Project – Risk Share Facility



Sustainable Energy Finance RSF (Fiji)
- leveraged US\$34M for a cost around
US\$1M, NPL ratio 1.1%

Photos: Courtesy DoE, Fiji

Improved Electricity Access Project



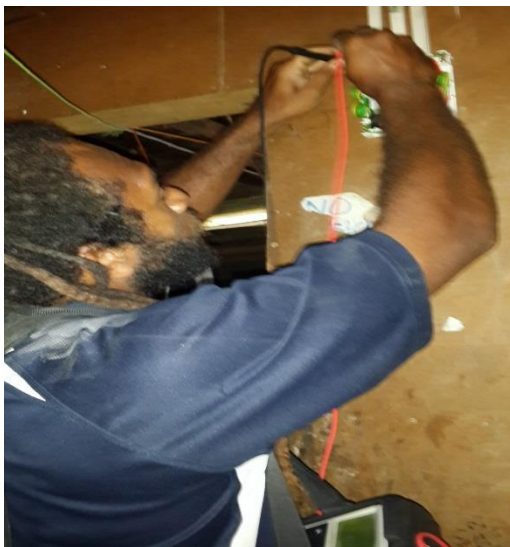
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Energy & Extractives



1. Utility meter box



2. Safety device



3. Picture showing light bulb



4. Power outlet

Source: Department of
Energy

Photos: Courtesy DoE, Vanuatu



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Kiribati Grid Connected Solar Project



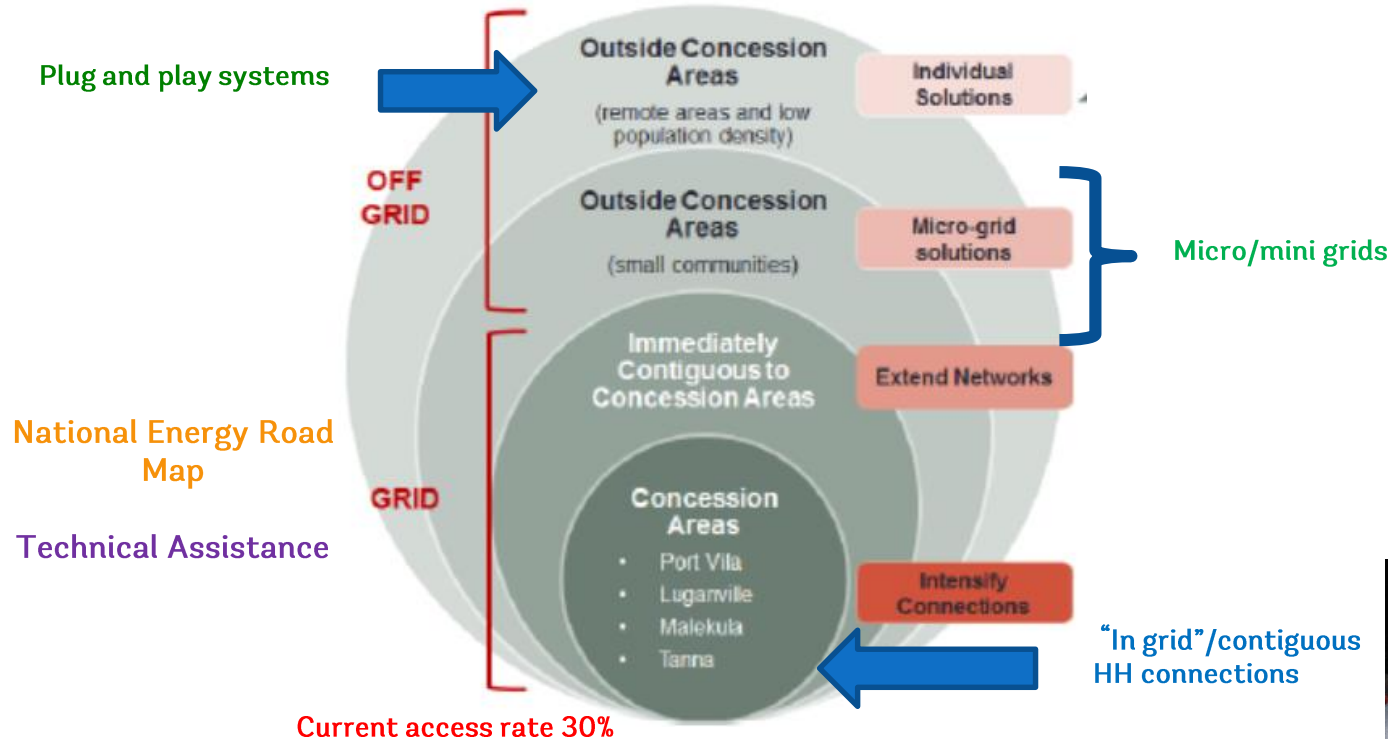
Photos: Courtesy PUB, Kiribati

Case Study: Vanuatu – tyranny of distance/lack of economies



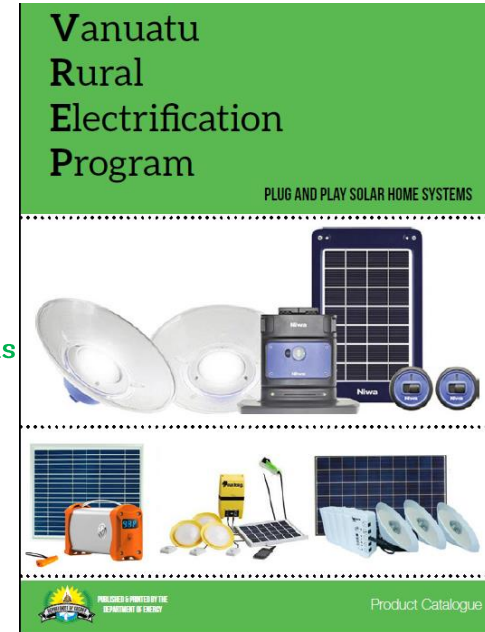
Maps: Maps.com, Google, DoE data

Case Study: Vanuatu – tailored solutions



Private sector delivery models

Photos: Courtesy DoE, Vanuatu



Project pipeline – focus on access and renewable energy

	Increasing Access	Increasing Renewable Energy	Utilities Capacity/Increasing Efficiency	Energy Planning, Enabling Policy, institutional & regulatory support
Fiji	Utilities Access Project (FY17)	<ul style="list-style-type: none"> - Geothermal Power (FY17 – TA) - Fiji Hydro (FY 17 - IFC) 		
Kiribati				
Papua New Guinea	<ul style="list-style-type: none"> - Development of Transmission & Distribution Lines (FY18/FY21) - PNG Grid Development Rapid Review and Action Plan (FY 18 - IFC) 			
Solomon Islands	Electricity Access Expansion Project (FY16)	Tina River Hydropower (FY17)		
RMI		Renewable energy (FY 17)		
Vanuatu	Rural Electrification Stage 2 (FY17)			
Regional		<ul style="list-style-type: none"> - Pacific Renewable Energy (IFC) 		

THANK YOU

