



Foreign, Commonwealth
& Development Office

UK Support for the Clean Energy Transition in the Pacific

Pacific Power Association 31st Meeting Tonga Sept 2024

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‘UK’s mission is to create a world free from poverty on a liveable planet’

- Foreign Secretary David Lammy

International leadership based **on domestic action to make Britian a clean energy superpower** by delivering zero carbon electricity by 2030 and accelerating our journey to net zero. Building on track record of already having halved emissions since 1990. In last 100 days UK government has:

- Launched Great British Energy, a publicly-owned clean energy company, to crowd investment into clean power projects;
- Secured a record pipeline of clean energy projects through the latest renewables auction round;
- Committed to **close the UK’s final coal-fired power plant on 30 September – next week!**

“Supported by ambitious domestic action and new partnerships, we will put climate, nature and clean energy at the heart of our foreign policy” including through:

- **Building a Global Clean Power Alliance to help accelerate the clean energy transition** and tackle the significant challenges to delivering clean power. It will bring together a coalition of developed and developing countries at the cutting edge of climate action who share our ambition. The Alliance will focus on driving delivery of existing commitments, rather than setting new ones, and will address barriers to clean energy deployment, including finance and supply chains.
- **Unlocking more climate finance** by leveraging the City of London’s position as the leading global green financial centre, developing innovative financing models to attract more private investment, and driving reforms across the global financial system.

Plus – Government priority to modernise UK’s approach to development



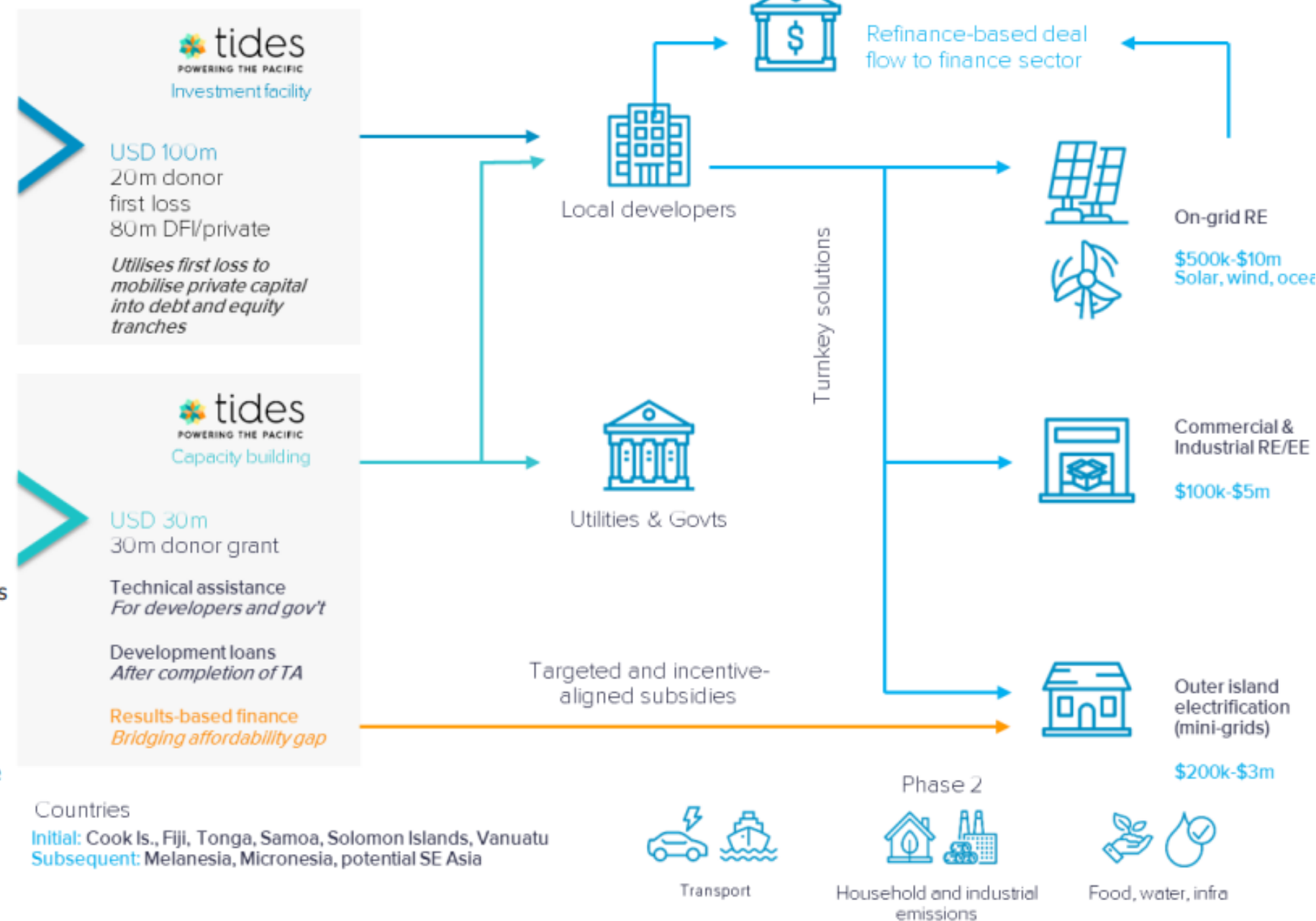
UK Clean Energy Focus in the Pacific – focus on TIDES

How TIDES works

TIDES is a specialist decarbonization and resilience fund for the Pacific Islands that responds directly to Pacific needs and provides direct, tangible benefit to local communities across the Pacific. It:

- Unlocks attractive investment opportunity: because of their diesel use, Pacific Islands have the highest cost energy in the world
- De-risks investments using donor first loss and well-designed technical assistance and project preparation facilities
- Is specifically designed for small project sizes
- Generates economic development by helping developers to grow and targeting direct community benefit
- Ensures affordability while relieving energy poverty.

TIDES fills an open market space, fits alongside other finance initiatives and is suited for collaboration between investors, interested countries, regional bodies and local governments.





UK Clean Energy Focus in the Pacific

FCDO RD&D Portfolio

Clean Energy Innovation: **Pacific**



£27.8m committed by the FCDO to clean energy innovation in the Pacific between 2023-2030



2 FCDO programmes - Transforming Energy Access (TEA) platform focused on early-stage testing and scale up of clean energy innovations, and Pacific Clean Energy Programme (PCEP) focused on clean energy demonstration



>12 organisations supported via TEA and PCEP to date



Ayrton Fund challenges (technology priority areas) covered:

Clean Hydrogen
Energy Efficiency
Smart Energy Systems

Clean Transport
Energy Storage



UK Clean Energy Focus in the Pacific – focus on TEA-P

Clean Energy Access in Remote Pacific Island Countries (SPC CLEARPICS) - £1m

Three year programme, until March 2027 and will support energy access across Pacific Island Countries through research into technology applicability, scale and governance within select countries, (Papua New Guinea, Solomon Islands and Vanuatu) by undertaking geographically specific research into opportunities for off-grid energy deployment within PICs countries.

Support for SPC to progress the Framework for Energy Security and Resilience in the Pacific (FESRIP) - £1m

£500k - Pacific NDC Hub: support will focus on energy sector commitments within NDCs

£200k - Pacific Centre for Renewable Energy and Energy Efficiency (PCREEE): support will focus on local renewable energy business start-up and entrepreneurship support.

£100k - Office of the Pacific Energy Regulator Alliance (OPERA): support will promote the independence, professionalism, accountability and visibility of the national utility regulator.

£200k - Pacific Energy and Gender Strategic Action Plan (PEGSAP): will support regional gender and energy training, development of gender-responsive national energy policies and gender-disaggregated data on energy needs as part of national statistics.

Support to expand World Bank's ESMAP programme into the Pacific - £4m

This will be to support Pacific focused components of the Accelerating Sustainable Energy Transition (ASET) which delivers three complementary pillars of activities – enabling policies, investments to develop flexible electricity networks and island mini-grids/off-grid systems, and de-risking clean energy investments. The wider ASET programme aims to crowd in investment from other sources, including GCF funding, to support the energy transition.



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Clean Energy Focus in the Pacific – Energy Catalyst

Energy Catalyst

Clean Energy Innovation: **Pacific**



Energy Catalyst: UKRI competition that awards financial and advisory support to innovators creating or improving access to affordable and clean energy in Sub-Saharan Africa, South Asia, and the Indo-Pacific.

Between April 2024 and March 2026, the [TEA](#) platform will support 4 new Energy Catalyst Round 10 projects with **£817,000**. This is part of a wider HMG investment of £1.5m in 5 Round projects in the Pacific, including £726k from DSIT for one additional project.

- £469k to [BPP Cables](#) to identify and test the most appropriate **solar energy storage mechanism** for rural communities in the Pacific, with a case study to be developed in Papua New Guinea.
- 210k to [B.P.P. Technical Services](#) to develop a high-level design for a **mini-grid solar-hydrogen system** with clean water and oxygen production for a hospital facility in Papua New Guinea servicing a remote population of 15,000 people.
- £70k to [Limen Group](#) to conduct a feasibility study into the development of an innovative network of **maritime island energy and distribution hubs** in Fiji that are interconnected by electric vessel passenger and freight routes.
- £68k to [SDG Changemakers](#) to conduct a feasibility study into optimal **clean-energy-generating productive use solutions for food production and processing** and sustainable business models.
- (DSIT funded) £726k to [AEON Energy](#) to deploy an **innovate wave energy solution** in Fiji, designed to work with existing floating wind systems, and optimising clean energy production and reducing costs.

In the previous Round 9, the following project was also funded by TEA:

- £125.5k to [DPSun](#) to conduct a feasibility study into **grid stabilisation** in Samoa, which was identified as a priority in Samoa's NDC Implementation Roadmap and Investment Plan 2021.



UK Clean Energy Focus in the Pacific – other aspects

Papua New Guinea Clean Energy Investment (PCEI), £3.5m Solar home kits provide light after dark and enable school children to study in Papua New Guinea's remote provinces from DFAT's implementing [partner](#) Pawarim Komuniti

Fiji Rural Electrification Fund – UK provided £700k (\$1.8m FJD) in 2020 for establishment, incl some support for Vio Island first project.

Support for Capacity Building – through TEA – Learning Partnerships In 2023 committed £39,600 to the University of Fiji and the Papua New Guinea University of Technology to implement new clean energy access modules, which are due to start before the end of 2024.

Country specific responsive funds to support Solomon Islands to establish an independent regulator and for Fiji energy efficiency standards

Project specific funding for **Powering Renewable Energy Opportunities (PREO)**: initiative that funds Productive-use-of-renewable-energy (PURE) businesses in regions including Indo-Pacific to scale-up and demonstrate their innovative products and business models. **£800k for projects in the Pacific in 2024** – specific project announcements in countries soon.

Plus – UK significant donor to GCF, World Bank, ADB.

