

ADB Pacific Energy Sector Overview and Proposed Pacific Renewable Energy Investment Facility



REGIONAL

Preparing the Pacific Renewable Energy Investment Facility (Formerly Increasing Access to Renewable Energy) (TA)	\$5.00 M
Establishment of the Pacific Region Infrastructure Facility Coordination Office (TA)	\$16.30 M
Pacific Renewable Energy Investment Facility	\$10.00 M

Yap Renewable Energy Development Project	\$11.16 M
Chuuk Renewable Energy Project	\$25.00 M
Kosrae Renewable Energy Project	\$15.00 M
Pohnpei Renewable Energy Project	\$66.30 M
Yap Renewable Energy Development Project (Phase 2)	\$11.00 M

Electricity Supply and Sustainability Project and TA for Tariff and Subsidy Reform	\$12.94 M
Solar Power Development Project	\$30.00 M

Majuro Power Network Strengthening (TA)	\$0.70 M
Refurbishing Majuro Fuel Tank Farm Project	\$5.00 M
Strengthening Majuro Distribution Network Project	\$20.00 M

Power Sector Expansion	\$100.00 M
Renewable Energy Development and Power Sector Rehabilitation	\$32.59 M
Hydropower Development Project	\$45.00 M

Renewable Energy Sector Project	\$29.85 M
Renewable Energy Sector Project (additional financing)	\$12.00 M

Preparing the Electricity System Strengthening and Sustainability (TA)	\$1.00 M
Electricity System Strengthening and Sustainability	\$51.00 M

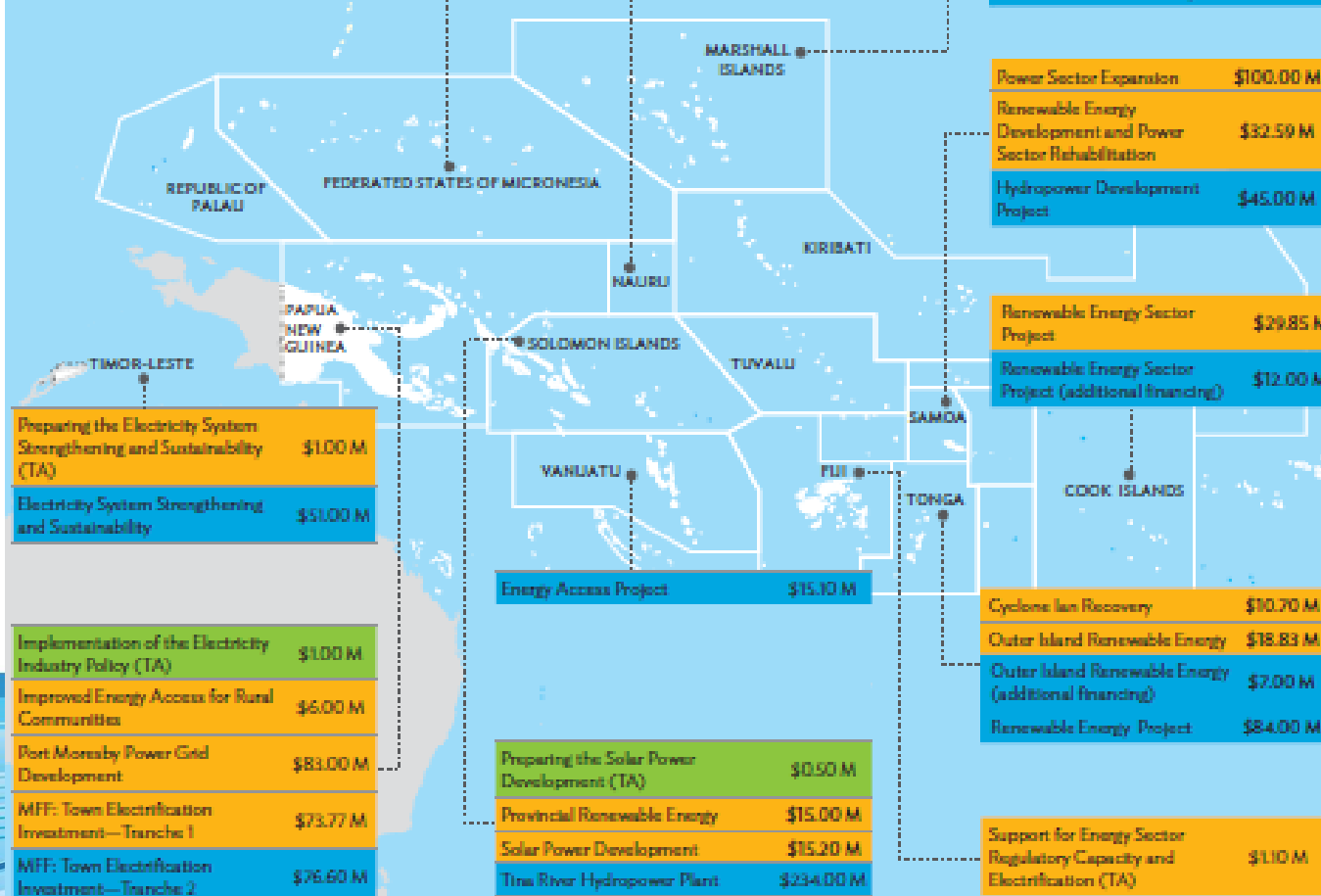
Energy Access Project	\$15.10 M
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Cyclone Ian Recovery	\$10.70 M
Outer Island Renewable Energy	\$18.83 M
Outer Island Renewable Energy (additional financing)	\$7.00 M
Renewable Energy Project	\$84.00 M

Implementation of the Electricity Industry Policy (TA)	\$1.00 M
Improved Energy Access for Rural Communities	\$6.00 M
Port Moresby Power Grid Development	\$81.00 M
MFF: Town Electrification Investment—Tranche 1	\$73.77 M
MFF: Town Electrification Investment—Tranche 2	\$76.60 M

Preparing the Solar Power Development (TA)	\$0.50 M
Provincial Renewable Energy	\$15.00 M
Solar Power Development	\$15.20 M
Tina River Hydropower Plant	\$234.00 M

Support for Energy Sector Regulatory Capacity and Electrification (TA)	\$1.10 M
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Pacific Energy Existing Portfolio

- 14 projects in 7 countries worth over \$400 million

	Country	Project	Total
1	Nauru	Electricity Supply Security	10.28
2	FSM	Yap Renewable Energy Development	11.16
3	Samoa	Power Sector Expansion	100.00
4	Samoa	Renewable Energy Development	32.59
5	Solomon Islands	Provincial Renewable Energy	15.00
6	Solomon Islands	Solar Power Development	15.20
7	Tonga	Cyclone Ian Recovery	10.70
8	Tonga	Outer Island Renewable Energy	18.83
9	Cook Islands	Renewable Energy Sector Project	29.85
12	PNG	Town Electrification Tranche 1	73.33
13	PNG	Port Moresby Grid Expansion	83.00
14	PNG	Improved Energy Access for Rural	6.00
			405.94

Pacific Energy Sector Forward Pipeline

- 16 projects in 13 countries over 3 years worth over \$1.5 billion

Country	Project	2017	2018	2019	Total
PNG	Town Electrification Investment Program - T2	73			
TON	Outer Island Renewable Energy Project (additional financing 1)	5			
SOL	Tina River Power Plant Project	230			
VAN	Energy Access Project	12			
RMI	Majuro Power Network Strengthening Project	27			
PNG	Power Development Project		800		
TIM	Electricity System Strengthening and Sustainability Program		51		
COO	Renewable Energy Sector Project (additional financing)		12		
FIJ	Electricity Strengthening Project		50		
SAM	Renewable Energy		77		
RMI	Fuel Tank Farm Rehabilitation Project		7		
PAL	Renewable Energy Project		7		
FSM	Renewable Energy Development Project		125		
SAM	Power Sector Development Project			63	
TUV	Renewable Energy Development Project			24	
NAU	Renewable Energy Project			27	
Total		347	1129	114	1590

Pacific Renewable Energy Investment Facility



Pacific Renewable Energy Investment Facility

- Facility will cover smallest 11 Pacific Island Countries
 - Cook Islands, Federated States of Micronesia, Kiribati, Nauru, Palau, Republic of Marshall Islands, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu
 - Combined population less than 1.5 million
 - 16 power utilities, combined peak load of ~110MW

Design

- Estimated financing of \$750 million
- Proposed ADB Financing approval up to an overall limit of \$200 million (OCR, COL and ADF grants) over a 5 year period
- \$500 million cofinancing and \$50 million from government
- Co-financing: Green Climate Fund
- Regional technical assistance to support Facility



Outcomes

Outcome 1: Construct renewable energy generation

- 20 separate renewable energy projects
- 80 MW of solar, wind, and hydropower
- 30 MW-hours of battery storage installed
- 300 km of transmission and distribution
- five diesel plants refurbished
- four rural electrification projects
- demand-side energy efficiency management



Outcomes

Outcome 2: Energy sector reform and capacity building

- **Energy sector reform** including
 - sector planning (roadmaps and grid integration studies)
 - power utility management reform and capacity building
 - tariff review and reform
 - regulatory and policy frameworks

- **Private sector**
 - promote private sector by screening opportunities,
 - bundling of procurement, providing initial transaction advice,
 - outreach to investors and
 - regional guarantee products

- Disseminate **lessons learnt** between subprojects

Outcomes

- **Outcome 3: Improved processing efficiency**
 - increase energy projects processed by one-third,
 - reduce staff time spent on consultant recruitment by half,
 - reduce project processing time by one-third.



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