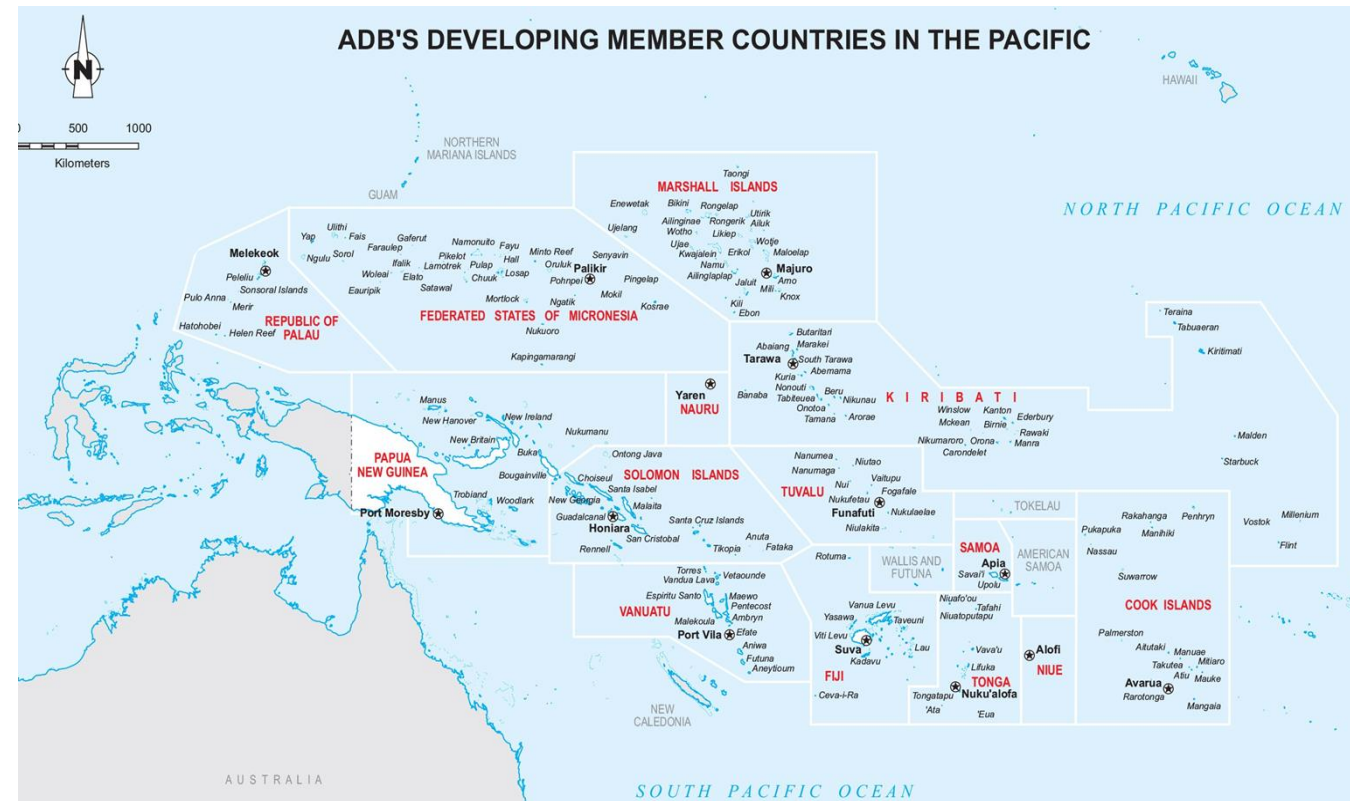


Asian Development Bank

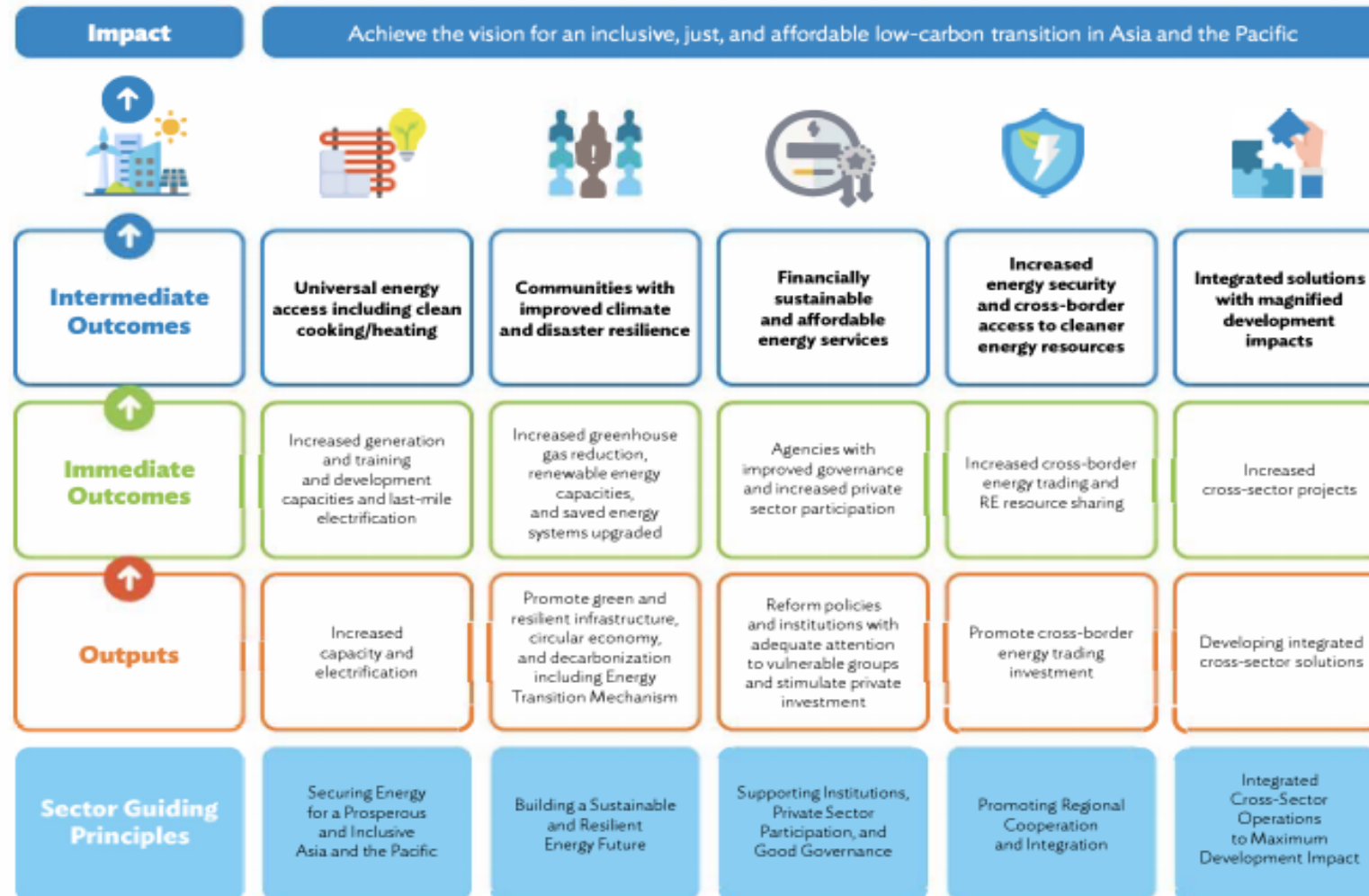
- ❖ **ADB energy sector overview**
Priyantha Wijayatunga, Senior Director, Energy Sector, Sectors Group
- ❖ **ADB's energy sector strategy, project financing pipeline, and technical assistance to the Pacific**
Keiju Mitsuhashi, Director, Energy Sector, Sectors Group



Pacific Power Association: CEO Retreat
31st Annual Conference and Trade Exhibition
Nuku'alofa, Tonga
30 September, 2024

Energy Sector Vision & Mission

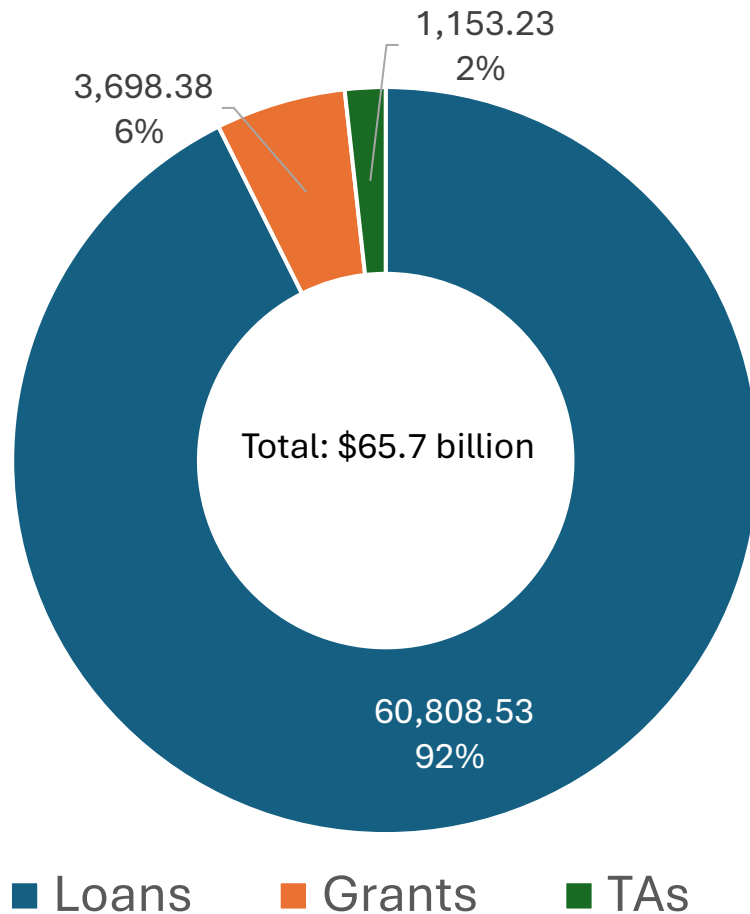
Theory of Change



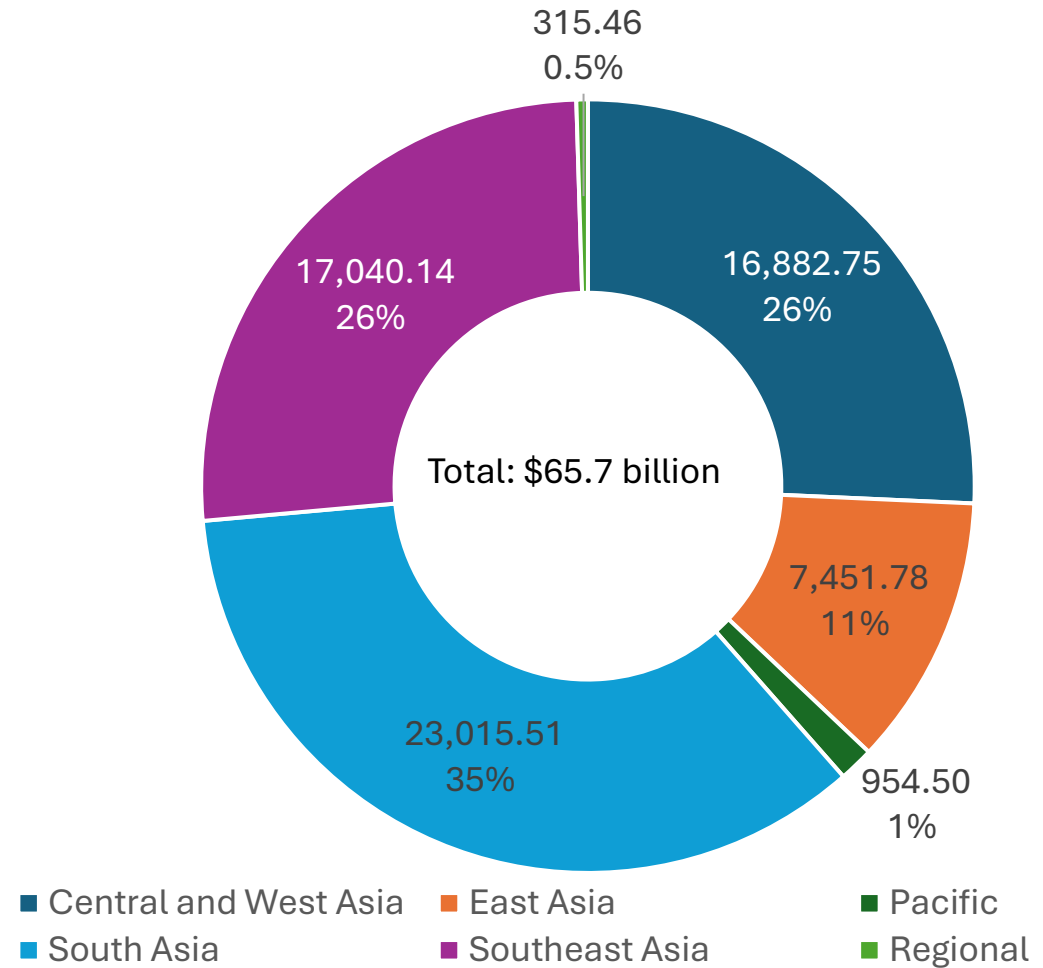
Cumulative Commitments

[1969 – 30 June 2024]

By Type
(in \$ million)



By Region
(in \$ million)



Energy Transition, Challenges and ADB supports

- **Costs towards 100% renewables:** what factors to consider if the intermittent and variable renewable energy share increases towards 100%? | what are the sequencing of the planning, investment, regulatory reforms are needed? | what are the successful cases beyond the Pacific region? |
- **Private sector mobilization:** what are the lessons from other regions? | what are the critical success factors, and what are the major risks for PPP? | how can ADB support private sector mobilization? |
- **Just transition:** what is “just transition” and why it is important? | what are the implications for the Pacific states and utilities? | what is ADB’s approach and progress on just transition? |
- **Energy transition and emerging areas agenda:** critical minerals and RE supply chain (and recycling) | new technologies (green hydrogen, ocean technologies, smart grid, digital technology) | energy transition mechanism | Just Energy Transition Partnership |

ADB's Pacific Energy Focus and Strategy

- **Focus on impactful projects**—1 project in a 4-year ADF cycle 2025–2028
- **Adaptation and resiliency**—to access larger pool of grants (ADF14 thematic pool, GCF, etc.) | Policy alignment (NDC, LTS, Adaptation Investment Plan), System redundancy, Disaster response capability
- **Renewable energy integration into the grid system**—transmission, energy management systems, storage solutions (including BESS), smart grid
- **Energy access solutions to remote areas**—replicability and scalability, technical and financial sustainability
- **Sector reforms**—financial sustainability, governance and accountability, and private sector mobilization (PPP, financial intermediary financing)
- **Capacity development**—capacity complementarity, knowledge solutions, regional approach: “*Super Project Management Unit*”
- **Cross-sector/productive energy use solutions**—creating power demand, synergy, private sector mobilization

Lending and Grant Pipeline for the Pacific, 2024–2026

Fiji Islands (\$40 million)

- Viti Levu Green Circuit Project (\$40m, 2026)

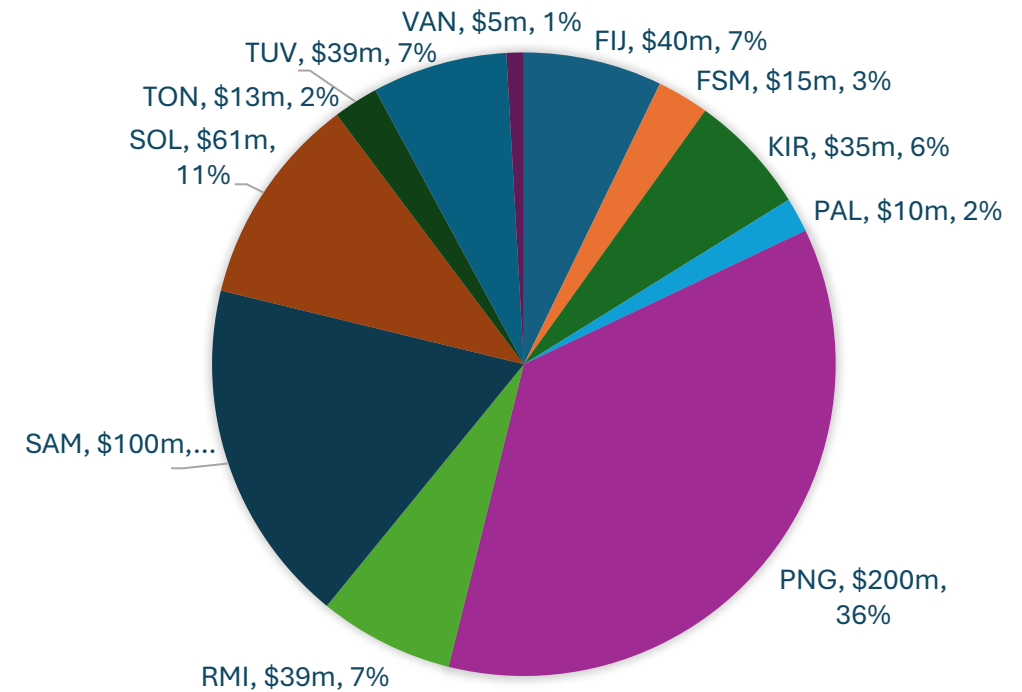
Papua New Guinea (\$200 million)

- Sustainable Energy Sector Development Program, SP1 (\$100m, 2025)
- Sustainable Energy Sector Development Program, SP2 (\$100m, 2026)

Pacific 12 DMCs (\$317 million)

- FSM: Climate Resilient Energy and Water Sector Project (\$15m, 2024)
- KIR: South Tarawa Renewable Energy Project, Phase 2 (\$25m, 2024)
- KIR: South Tarawa Renewable Energy Project, Phase 2 (\$10m, 2026)
- PAL: Energy Transition Project (\$10m, 2024)
- RMI: Energy Transition Project (\$19m, 2024)
- RMI: Energy Transition Project, Phase 2 (\$20m, 2026)
- **SAM: Alaoa Multipurpose Dam Project (\$100m, 2024)**
- **SOL: Renewable Energy Development Project (\$15m, 2024)**
- SOL: Tina River Hydropower Project (\$40m, 2025)
- SOL: Disaster Resilient Clean Energy Financing (\$1m, 2026)
- SOL: Accelerating Solar Powered Sustainable Water Supply Services (\$5m, 2026)
- TON: Grid Enhancement for Sustainable Energy Transition Project (\$1m, 2024)
- TON: Integrated Sustainable and Resilient Power Sector Project (\$12m, 2026)
- TUV: Increasing Access to Renewable Energy Project, 2nd AF (\$9m, 2024)
- TUV: Increasing Access to Renewable Energy Project, 3rd AF (\$30m, 2026)
- VAN: Disaster Resilient Renewable Energy Development Project (\$5m, 2025)

Total of \$557 million (19 projects)



Nonlending Pipeline for the Pacific, 2024–2025

Total of \$11.5 million (10 technical assistance)

Pacific (\$7.35 million)

2024

- NIU: Clean and Resilient Energy Development Support (\$0.70m)
- **SOL: Preparing the Accelerating Solar Powered Sustainable Water Supply Services Project (\$0.225m)**
- **VAN: Promoting Sustainable and Climate Resilient Clean Investments in Vanuatu (\$0.225m)**
- REG: Preparing Clean and Renewable energy Investments in the Pacific (AF) (\$1.70m)
- REG: Preparing the Pacific Renewable Energy Investment Facility, Phase 3 (AF) (\$1.0m)
- REG: Development of the Pacific Energy Regulators Alliance (AF) (\$0.50m)

2025

- KIR: Preparing the South Tarawa Renewable Energy Project, Phase 3 (\$1.00m)
- TON: Preparing the Integrated Sustainable and Resilient Power Sector Project (\$1.00m)
- TUV: Preparing the Increasing Access to Renewable Energy Project (AF) (\$1.00m)

Multiregion: Pacific, South Asia, Southeast Asia (\$3.80 million)

2024

- REG: Supporting the Energy Transition (\$3.80m)

Nonlending Pipeline for the Pacific, 2024–2025

Pipeline projects and initiatives (sovereign, nonsovereign, and transaction advisory services)

Highlights 2024

- NIU: Clean and Resilient Energy Development Support (\$0.70m)
- FIJ: Viti Levu Green Circuit (transaction advisory, technical assistance, infrastructure financing)

Pending commitments in 2024

- FSM: Climate Resilient Energy and Water Sector Project (\$15m, 2024)
- KIR: South Tarawa Renewable Energy Project, Phase 2 (\$25m, 2024)
- RMI: Energy Transition Project (\$19m, 2024)
- TON: Grid Enhancement for Sustainable Energy Transition Project (\$1m, 2024)
- TUV: Increasing Access to Renewable Energy Project, 2nd AF (\$9m, 2024)

Partnership

- PPA | OPERA | PRIF
- Cofinancing—bilateral, multilateral, global trust funds
- Private sector mobilization