

# Climate change and disaster risks in Australia and the Pacific and impacts on power sector

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Australian Government  
Department of Foreign Affairs and Trade



Australian  
Infrastructure  
Financing Facility  
for the Pacific

# Australia and Pacific Islands are prone disasters and climate change

- “Ring of Fire” to north of Australia
- Region prone to major disasters and climate change
  - Earthquakes (PNG, Tonga, NZ, Samoa, Indonesia, Vanuatu)
  - Storms and cyclones – which gain strength over large oceans
  - Heavy storms and flooding
  - Droughts
  - El Nino and La Nina effects
  - Fires
  - Rising ocean levels
- These create major damage to vital infrastructure, adversely affect people, and cause major economic shocks. (e.g. Tonga, Samoa, Vanuatu, PNG)

# Power system impacts & challenges

- Downed power lines – transmission and distribution
- Damaged power stations
- Power supply safety and reliability
- Water supply and sanitation impacts
- These are particularly pronounced in on small power grids.
- Challenge is investing to improve resilience
- AIFFP role - infrastructure financing

# Australian Infrastructure Financing Facility for the Pacific (AIFFP)

- AIFFP established as AUD 4 billion (AUD 3 billion in loans, AUD 1 billion grants)
- Loans & Grant funds for projects across the Pacific and Timor-Leste
- Includes AUD350 million under the Pacific Climate Infrastructure Financing Partnership (PCIFP)
- AUD1.8 billion in financing for 20 approved projects in 10 countries to date
- Key sectors include: Energy, Climate Change & Water; ICT Cables; Ports; Airports; Roads;