



Project title

Sir Roberts Wharf Project - Building Resilience to the Effects of Climate Change

Result areas

[Infrastructure and built environment]

Sector

Public/Private

Total financing, USD

50 Million

GCF financing, USD

50million

Financial instrument

Grant

Description of specific climate change problem and how the project will address it

The climate change problem

- Increased frequency of high wave surge and intensification of tropical cyclones are undermining the integrity of the existing structure of the wharf.
- Bad weather conditions causing significant unloading delays (GHG emissions) and damage during unloading.
- lifeline infrastructure underpinning - Food, supplies, disaster relief, search and rescue, fisheries, tourism
- Sediment/rubble build up in narrow berth preventing ship docking alongside wharf = damage to hulls, increased GHG, costs

The project aims to climate proof the only wharf on the Island to current and predicted impacts of climate change and reduce GHG with higher efficiency in unloading.

- Strengthen existing wharf, at the same time redesign to be more resilient to increased extreme weather
- Expand to increase efficiency and cater for growing needs of countries development
- Reduce delays in unloading thus reducing GHG and costs
- Provide dual points of access for security – wave surge or damage occurring on one side

Alignment with key country priorities and stakeholders engaged

- NISP,
- Stakeholder engagement – security; fisheries; energy



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Activities

The project is expected to have 6 main components:

- Construction of Climate Resilient Infrastructure
- Green port and sustainable infrastructure
- Smart port initiatives
- Ocean health
- Regional connectivity and cooperation
- Capacity and efficiency enhancement with vessel operators and port workers.

Expected outcomes

- Climate resilient critical Infrastructure – the only shipping port in the Country
- Reduced incidences of being inoperable – by up to 50% (back-up side of operation)
- Reduced time for waiting out bad weather conditions
- Reduced use of fossil fuels
- Reduced costs associated with delays in unloading and transportation of containers for storage
- Reduced risk to ships and other boats (fisheries and tourism related)
- Increase productivity/development and food security – fisheries and tourism

Paradigm shift potential

- *One infrastructure underpins multiple elements of sustainable development for Niue – resilience, development potential*
- *Highest exposed infrastructure to known impacts of climate change – well known potential benefits and implications*
- *Reduces risk – change marketability to shipping industry, reduce costs of imports*

Sir Robert's Wharf



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