

ESCAP: 2024 Asia – Pacific Regional Dialogue on Sustainable Maritime Connectivity

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by

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Presentation Outline

1. Pacific Maritime Transport Alliance (PMTA)

- Brief Background Information
- PMTA Strategy and cooperation mechanism towards Green Port.
- Samoa – Green Port Journey to date.

2. Samoa Ports Authority – Country Report

- History and current Development Projects – video presentation
- Challenges of the Maritime and Ports sector
- Priority Projects to create resilient, green and clean maritime transport and ports sector.

PMTA Background Information

- Formerly Pacific Countries Ports Association (PCPA), Pacific Islands Maritime Association (PacMA).

- PCPA Constitution amended in 2010 to establish

PMTA

- PMTA to broaden scope of membership to include maritime related services public or private

- incorporated in Tonga under the Incorporated Societies Act

- secretariat and treasury services with the SPC

- 46th Annual Conference in Nadi with FPC as Host port

- Pacific Ports and maritime related service providers / port users can be members



46TH PACIFIC MARITIME TRANSPORT ALLIANCE CONFERENCE 2024

24 & 25 July, Nadi, Fiji

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Theme: Charting a Sustainable Course; Pioneering Green Practices for Pacific Ports and Trade

PMTA Strategy towards Green Port

Pacific Ports Vision 2030 – 2050 (SPC)

- Recognition Framework

- * Pacific ports to become more resilient, greener and cleaner
- * long term objectives for Pacific ports to be resilient, greener and cleaner

- Recognition Indicators

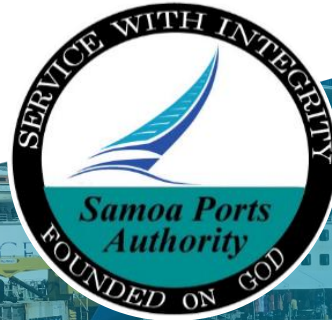
- * Resilient
- * Green
- * Clean
- * Government and Stakeholders

SAMOA PORTS AUTHORITY – GREEN PORT INITIATIVE

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ASIAN DEVELOPMENT BANK



‘Apia Green Port’

“Small steps, huge potential”



Vision for Apia Green Port

→ To be a “green” port

- Optimising energy efficiency, adopting environmentally sustainable practices and developing in a sustainable manner; and
- Operationally efficient, safe, and resilient to climate change and future commercial challenges



→ To be a safe port

- Enhancing preventative and preparatory measures to ensure timely and effective response to disasters in a coordinated manner

→ To be a gender equal port

- Institutionalising gender equality in its green port operations and management



Project Outputs ► Project Inputs

- **Green Port Policy** – including commitments to environmental management, operational efficiency, climate resilience, disaster preparedness and gender equality
- **Green Port Practice Manual** – a practical handbook to guide improvement of performance and daily operations
- **Multi-Hazard Disaster Preparedness Plan**
- **Green Port Initiatives** – to optimise operational and energy efficiency and promote environmentally sustainable practices



“Health Check”



Apia Green Port Policy Statement

The Samoa Ports Authority will strive to:

- *Optimise resource use and decarbonise port operations*
- *Adopt environmentally sustainable practices and develop in a sustainable manner*
- *Be operationally efficient, safe, and resilient to future climate change and commercial challenges*



Green Port Policy Commitments

Environmental Management

1. To ensure the efficient and sustainable use of resources - electric power, diesel and water - within the port
2. To manage port operations to prevent pollution and impact on the environment and local communities; measure and reduce emissions to the air and sea
3. To responsibly manage and reduce waste generated by port and shipping activities - reduce, re-use, recycle
4. To reduce reliance on fossil fuels and support decarbonisation by embracing renewable energy use
5. To comply with all environmental legislation, codes and regulations that the port and Samoa are signatories to
6. To protect and conserve biodiversity within the port's influence

Operational Efficiency

7. To improve operational and navigational safety
8. To reduce operational costs through greater efficiency in the yard and reduction in delays

Climate Resilience

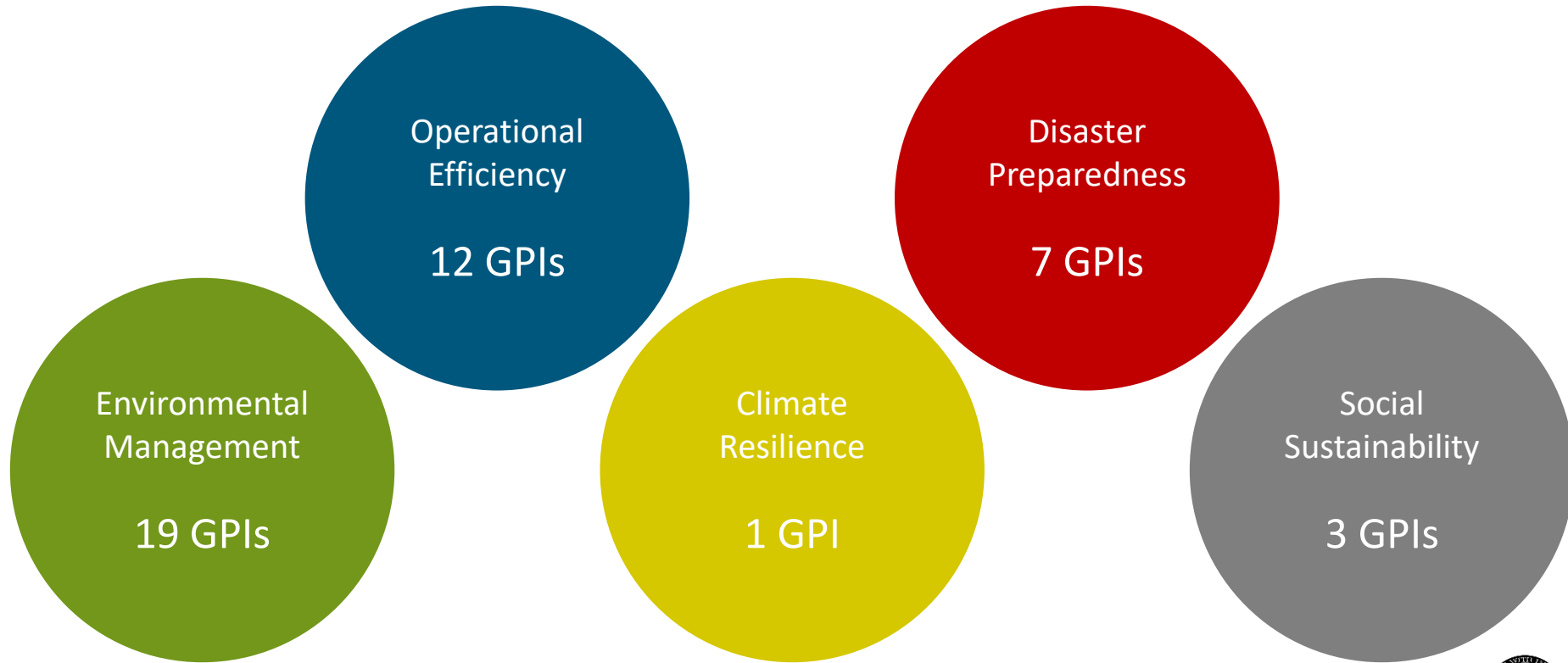
9. Ensure that port assets and operations are resilient to climate change for continuous service delivery

Green Port KPIs ► Green Port Initiatives

Environmental Management

#	Policy Commitment	KPI
E1	To reduce reliance on fossil fuels and support decarbonisation by embracing renewable energy use	Percentage renewable electricity consumed (kWh) by SPA (and tenants) as a proportion of overall electricity consumption
		Carbon footprint total tCO2e (tonnes of carbon)
E2	To ensure the efficient and sustainable use of resources - electric power, diesel and water - within the port	Diesel use (litres consumed vs cargo throughput volume; e.g. litres/TEU)
		Electricity use (KWh)
		Water use (m3)
E3	To manage port operations to prevent pollution and impact on the environment and local communities; measure and reduce emissions to the air and sea.	Number of complaints (Capture incident reports from Apia residents of noise, light pollution)
		Air quality pollution event monitoring (Continuous monitoring; number of events above a given threshold of PM2.5/NOx/SOx concentration)
E4	To responsibly manage and reduce waste generated by port and shipping activities - reduce, re-use, recycle	Total waste (Tonnes of waste generated/collected by type)
		Recycling (x% of overall waste recycled)
E5	To comply with all relevant environmental legislation, codes and regulations that the port and Samoa are signatories to	Compliance with all relevant international, national and local legislation.
E6	To protect and conserve biodiversity within the port's influence	Biodiversity (Water quality through monitoring of oil pollution or other pollution events affecting seawater)

Green Port Initiatives ► Long-list of 42



Short-list of 13



Group Name	Original GPI #	Original GPI Title
2	18	Green Port Ambassadors
	2	Training – Resource Use Awareness and Behavioural Change
	3	Rainwater Collection for Grey Water Usage
5	4	Environmental Management Plan
		Green infrastructure
	21	Review of Safety Policy for 24/7 Operations
3	22	Strategic Asset Plan & Asset Management Plans
		Yard and asset management
	27	Traffic Management Plan
1	38	Hazard Identification & Disaster Risk Assessment
		Hazard identification and risk management
	37	Disaster Management Storeroom
4	6	Solid Waste Management
	8	Smart Lighting
		Solar PV
	19	Vehicle Low Emission Zone
	31	Harbour Instructions for Visiting Vessels
	42	Training Relevance Review and Revised Protocol

Samoa Ports Authority – Country Report

- *established under the Ports Authority Act 1998 as a state owner enterprises (SOE)*
- *commenced operation on 1st July 1999*
- *celebrated its 25 years of service on 1st to 5th July 2024.*
- *enhancing Safety, Security and Sustainability of Apia Port project*
- *Green Port Initiatives*



CELEBRATING 25 YEARS OF SERVICE

SAMOA PORTS AUTHORITY

‘SPA FOR A GREENER TOMORROW’

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THANK YOU
FAAFETAI TELE LAVA
VINAKA

