



Samoa's NDC

Ministry of Natural Resources and Environment (MNRE)

Renewable Energy Division (RED)





OUR TEAM



Vainalepa Toiata Apelu Uili

ACEO – RED



Fefiloi Renate Kerstin

Principal Renewable Energy Officer



Ueligitone Enosa

Senior Renewable Energy Officer



Cyprian Fruean

Renewable Energy Officer



Roland Setu

IMPRESS Project Coordinator



Chris Tiuga

Principal Finance and Procurement Officer



Esekia Sua

Driver & Office Assistant




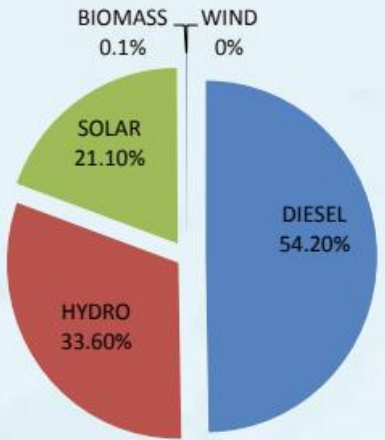




- **Presentation Outline**
 - **Samoa's 1st and 2nd NDC**
 - **Challenges & Solutions**

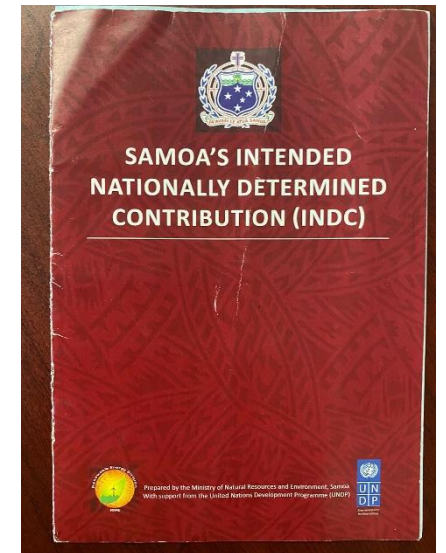




1st Nationally Determined Contribution [NDC]

NDC target of “100% RE for electricity generation by the year 2025”

		Climate Change Mitigation	
(i) Electricity/ Renewable Energy		Amount of Electricity Generation (in Kilowatt-hours) from various sources of Renewable Energy as well as Diesel for the first quarter (January to May) of the year 2021.	
	Hydro	24,206,897.00	
	Solar	8,735,611.66	
	Wind	0	
	Biomass	43,325	
	Diesel	39,011,894	
Total Generation		71,997,728	





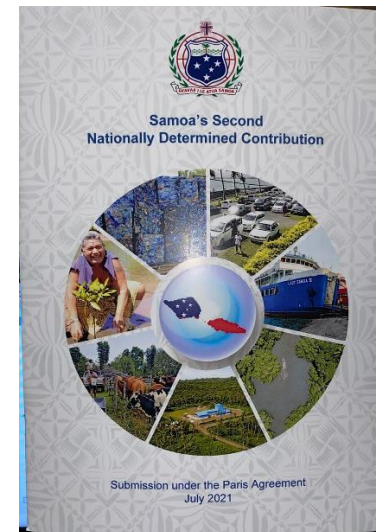
2nd Nationally Determined Contribution [NDC]

Mitigation

- Samoa aims to reduce overall GHG emissions by 26 percent in 2030 compared to 2007 levels (or by 91 Gg CO₂-e compared to the new reference year once Samoa's GHG emissions inventory has been updated)
 - Energy—reduce GHG emissions in the energy sector by 30 percent in 2030 compared to 2007 levels
 - Waste—reduce GHG emissions in the waste sector by 4 percent in 2030 compared to 2007 levels
 - AFOLU—reduce GHG emissions in the AFOLU sector by 26 percent in 2030 compared to 2007 levels


Adaptation

- Samoa aims to adapt to climate change by building on adaptation activities in the fisheries, coastal zones, forestry, village community, agriculture, and food security sectors.
- Samoa has the following quantitative targets that contribute to adaptation:
 - Marine—expand the area of mangrove forests in Samoa by 5 percent by 2030 relative to 2018
 - AFOLU—expand the area under agroforestry to an additional 5 percent of agricultural land by 2030 relative to 2018.





So..what's next?

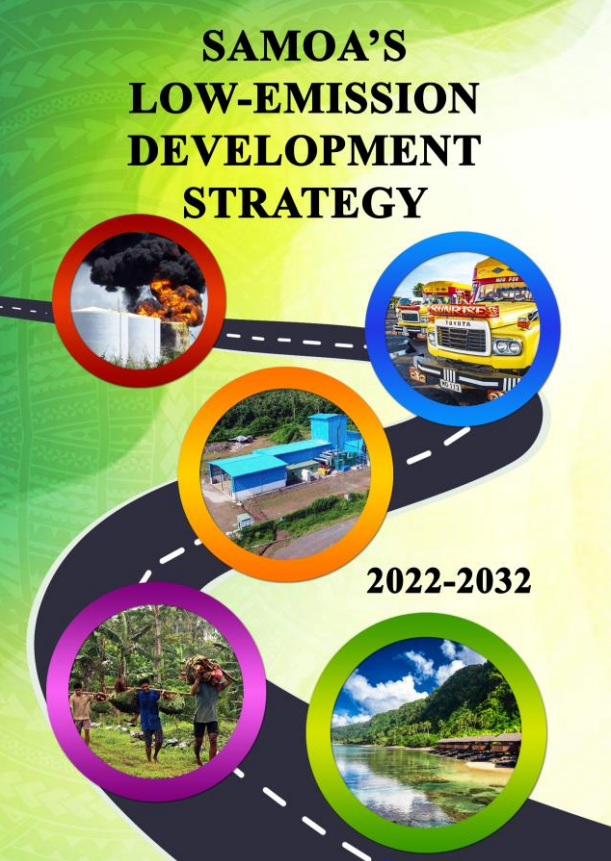


750KW Afolau Biomass Gasification Plant

**Samoa's
NDC
Implementation
Roadmap
and Investment
Plan 2021**

The image shows an aerial view of the 750KW Afolau Biomass Gasification Plant, a large industrial facility with blue roofs situated in a rural area. The text "Samoa's NDC Implementation Roadmap and Investment Plan 2021" is overlaid on a dark blue background at the bottom.

**SAMOA'S
LOW-EMISSION
DEVELOPMENT
STRATEGY**



2022-2032

The image is the cover of the "SAMOA'S LOW-EMISSION DEVELOPMENT STRATEGY 2022-2032". It features a green background with a winding road graphic. Five circular icons are placed along the road, each containing a different image: a power plant, a yellow truck, the biomass gasification plant, people carrying loads on their heads, and a scenic landscape with a river and mountains.



Challenges

- Fragmented data and information
- Changes Focal Point Contact for each Ministry – delay in the relay of information
- Lack of updated GHG information in the priority sectors – the latest GHG Inventory for Samoa was 2007.
- Institutional limitations, such as human capacity, limit the number of projects that can be run at one time in each sector
- Funding resources
- Different set of priorities for each sector



Solutions

- Set up of implementation plan for NDC
- Alternate Focal Points during the Consultations
- Use updated GHG information in the priority sectors
- Identified capacity building needs for each sector
- Bundling projects into programs help to overcome financing challenges
- Aligning sector priorities with NDC Targets.

- Thank you