

# The Energy Bill and the Development & Implementation of Sustainable Bio-energy in Samoa

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**PACIFIC ISLANDS  
FORUM SECRETARIAT**



- **Samoa Trust Estate Corporation site at Mulifanua**



# Project Background

The project will enable the Samoa Trust Estate Corporation (STEC) to convert waste biomass that has overgrown once productive coconut plantations into a renewable fuel that will replace imported diesel and reduce the dependency on imported fuels. Thus it will increase the share of renewable energy based electricity generation. In addition, it will create an improved legislative environment in the energy sector in order to facilitate private sector investments and introduce performance standards.

**Project consist of two components;**

## ***Component 1 – Improving the legislative framework in the Energy Sector***

- Fill legislative gaps in the Energy Sector by supporting the process of developing a comprehensive Energy Bill for Samoa.
- Minimize the risks and promote investment in the Energy Sector.
- Provide a greater clarity to investors in the Energy Sector particularly in the process of entering into contractual obligations.

## ***Component 2 – Replacing imported fossil fuel with biomass waste extracted from Government owned plantations***

- The project will use waste biomass material to power a gasifier whose gaseous will be burned in an internal combustion engine to generate electricity



## ■ Project Progress

### *Component 1*

- Formulation and finalise of the Samoa Energy Sector Plan 2017 – 2022 which was launch in October 2017
- Develop and launch the Species Booklet (project knowledge product) together with SESP launching.
- Energy Management Bill finalise by the Legal Drafter and submitted to Ministry of Finance

### *Component 2*

- Demarcation of lease land within the STEC plantations completed.
- Land Management Information System for STEC completed.
- Biomass Resource Assessments- Forest inventory completed.
- Energy Content Analysis Full Report completed by SROS
- Preliminary Harvesting and Production Plan complete by SPC.
- Initial Environmental Evaluation Report complete by SROS

## ■ Challenges

- Implementing Agencies not able to commit to time frames outline in the work plan
- Certain specific expertise required not available locally therefore requires sourcing it from regional or international organization.
- Equipments required to do field work are procured from overseas company not available locally.

## **Milestones**

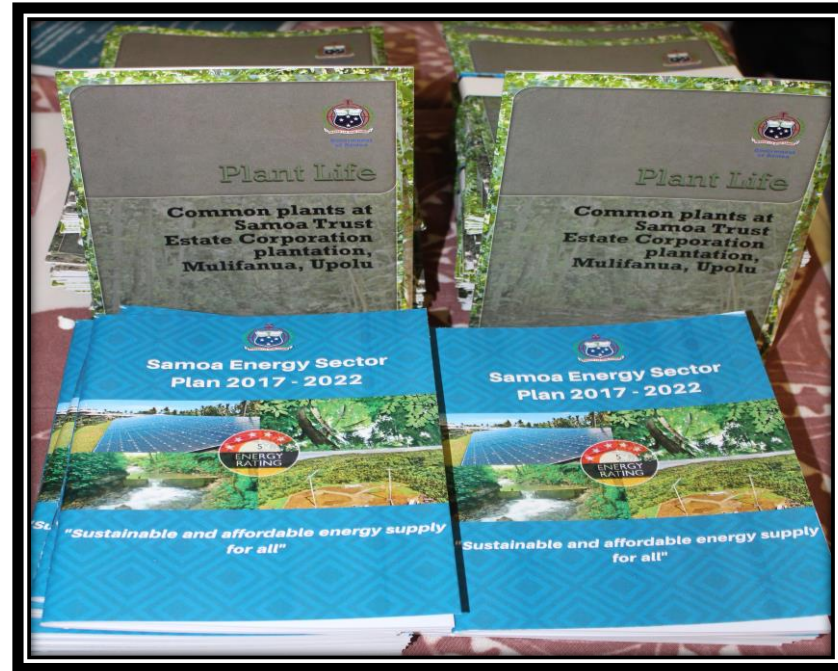
- Launching of Samoa Energy Sector Plan 2017 – 2022 and the Species Booklet on the common plants at Samoa Trust Estate Corporation plantation, Mulifanua Upolu.
- Official Handover Ceremony of the Land Management Information System (LMIS) completed by Sky Eye Company to Samoa Trust Estate Corporation (STEC).
- Final Draft of Energy Management Bill 2017



## LMIS Handover Ceremony



## Samoa Energy Sector Plan & Species Booklet Launching



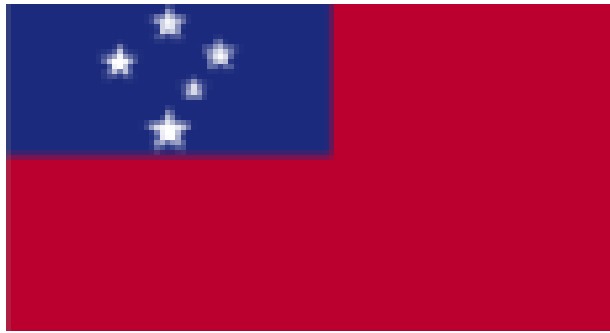
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## Going Forward

- Improving the Performance and Reliability of Renewable Energy Power System in Samoa (IMPRESS PROJECT) funded by GEF will provide financial assistance in funding the Biomass Gasifier that will install at STEC Plantation.
- SPC in collaboration with the Government of Samoa under the EU-GIZ ACSE Program will prepare the Harvesting and Production Plan and procure some heavy machineries such as wood chippers, tractor, trailer etc.
- Reading and Passing of the Energy Management Bill in Parliament.
- Design and construction of the feedstock processing facility (drying shed, conveyors etc) at STEC Plantation Project Site.
- Procurement of heavy machineries for biomass harvest, transport and feedstock processing.





# Thank you Team Samoa

