

Adaptation & Mitigation Actions

Project Profile	Utilization %	HIGHLIGHTS
GCF 2017 - 2023 Component 2.2 MNRE/MOF USD 8.8 million	35%	this program supporting land rehabilitation, replanting and restoration activities of the project for selected areas in Vaisigano region. - Implementation has commenced with stakeholder engagement sessions to sort out governance arrangements for the PES project.
ECR/PPCR Project 2013-2020 IDA/World Bank USD 14,600,000.00	73%	Complete development and formulation of CIM Plans for 43 Districts (Adaptation)
Pacific Resilience Project IDA/World Bank USD 16,790,000.00	36%	Complete construction of the National Emergency Operation Centre (NEOC) -Negotiation in progress for design and supervision of the Construction of Vaigaga Pri School -Finalise combined evaluation of the design and supervision of the construction of the new Seismic Operation Centre (SOC) -Final draft of the MET Bill being reviewed by OAG

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GOVERNMENT OF SAMOA

Ministry of Natural Resources and Environment

7th Edition

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CLIMATE CHANGE REPORT CARD

CLIMATE OUTLOOK

Season	Baseline 1981-2010	Actual	Comment	Trend
<i>Rainfall - Apia Station</i>				
Dec-2019	344mm	489.1mm	Drier compare to Dec 2018(507.6mm)	Above Average
June-2020	138mm	262.0mm	Drier compared to May 2019.	Above Average
<i>Temperature - Apia Station</i>				
Dec-2019	30.4°C(max)	30.9°C	Increase compared to Dec 2018 (30.8°C)	Average
May-2020	30.4°C(max)	31.4°C	Increase compared to May 2019(0.9°C)	Above Average
<i>Sea Level Rise (not applicable - longterm)</i>				
Jan-2019	4mm/yr	4.5mm/yr	No change monthly since its a long term determination	Slightly rising
<i>Tropical Cyclones (TC) (SW Pacific Region: 160°E - 120°W and 0° to 25°S)</i>				
2019-2020	10 Tropical Depression were monitored this season 2019-2020	TD01-22 Nov19 TD02-26 Nov19 TD03-26 Dec19 TD04-15 Jan 20 TD05-25 Jan 20 TD06-09 Feb 20 TD07-17 Feb 20 TD08-17 Feb 20 TD09-20 Feb 20 TD10-20 Feb 20	TC Rita - TD02 TC Sarai - TD03 TC Tino - TD03 TC Uesi - TD06 TC Vicky - TD09 TC Wasi - TD10 A total of six (6) tropical cyclone developed within The Southwest Pacific region and only two (2) Tropical Cyclone developed and moved within Samoa 400km EEZ (TC Vicky & TC Wasi)	2019 - 2020
mm-millimeters mph-miles per hour	ha-hactares C-Degrees Celsius	Sq-km- square kilometers TC-Tropical Cyclone	TD- Tropical Depression tCO2e- carbon equivalent	c-ton-carbon tonne Kwh-kilowatt hour

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 March) of the years 2016 to 2020.					Responsible Agency
	Q1 / 2016	Q1 / 2017	Q1 / 2018	Q1 / 2019	Q1 / 2020	
Hydro	8,954,811 24.4%	6,611,399 17.1%	11,514,091 32.2%	16,622,680 38.8%	13,354,360 31.1%	EPC
Solar (kWh)	3,088,973 8.4%	5,066,168 13.1%	4,894,298 13.7%	5,695,443 13.3%	5,311,761 12.4%	EPC
Wind (kWh)	51,440 0.1%	30,800 0.1%	35,500 0.1%	39,700 0.1%	33,700 0.1%	EPC
Diesel ((kWh)	8,236,245 67.1%	9,431,487 69.8%	6,854,550 54.0%	7,196,270 47.9%	8,891,574 56.5%	EPC
Total Generation	36,724,257	38,776,403	35,785,137	42,881,334	42,960,768	
Biomass	Afolau Biomass Gasification Plant construction commenced in July 2019. Commissioning of the plant is scheduled for April 2020.					STEC

(ii) Petroleum	Baseline 2016	Distribution %	Total imported fuel 2016	2020	Responsible Agency
Electricity	24.9 million litres	24%	126.4 million liters (For all products)	NA	MoF
Transportation	60.4 million litres	58%			
Commercial	11.5 million litres	18%			
Residential	4.2 million litres	4%			
Others	3.1 million litres	3%			

(iii) LTA Transport Sector	Baseline 2017	Total # of cars 2017-2018	Total # of cars 2018-2019	Comments	Responsible Agency
# of vehicles	23,323	25,289	25793	Updated during GHG inventory 2020	LTA
Electric					
Diesel Unleaded					

(iv) Forestry	Baseline 2014	# trees dispatched/ distributed /planted	Total # of trees distributed/planted	Responsible Agency
MNRE	165,048.89ha (58%) 47,736,227 c-ton	427,737	2,101,413 848.91 - total area	MNRE
Private Business /Communities		61,144		
Samoa Farmers Federation Inc		1,031,000		
MAF		478,538		MAF
STEC		102,994		STEC

Climate Change Governance

Activity	Timeframe	Status	Responsible Agency
National Climate Change Policy	2019- 2029	Final consultation	MNRE
Community Integrated Management Plans (CIM) 43 plans		Implementation	MNRE/All Stakeholders
- Samoas Ocean Strategy Nationally Determined Contributions Enhancement		ongoing Final	UNDP

International obligation to UNFCCC			
Samoa's 3rd National Communication Report.	2020 - 2023	Work commencing to update	MNRE
<ul style="list-style-type: none"> National Circumstances National GHG Inventory Vulnerability & Adaptation Assessment Mitigation Action 			
Development the First Biennial Update Report (BUR) on Climate Change / Knowledge Management &E			

Adaptation & Mitigation Actions

Project Profile	Utilization %	HIGHLIGHTS
GEF SMSMCL 2015-2020 MNRE/MOF USD 4,736,363.00	100%	- Promote and strengthened Agro Forestry practices/initiatives to rehabilitate critical landscapes in local communities (Adaptation and Mitigation)
GEF EWACC 2015-2021 MNRE/MOF USD 12,322,936.00	75%	- Complete construction of Vaisigano Segment One Flood Protection Wall (Adaptation)
GEF IMPRESS 2017-2022 MNRE/MOF USD 6,076,000.00	60%	- Renewable Energy School Awareness Program – 9 missionary schools in Upolu were selected last quarter to participate in the awareness program. - Completion of Afolau Biomass Gasification Plant in April 2020 and now ready to be launch once the SOE is uplifted. Commissioning is tentatively scheduled for September 2020.
GCF 2017 - 2023 Component 2.2 MNRE/MOF USD 8.8 million	35%	- For the first Call for Proposals for EbAED projects, 63 out of the 195 Funding Agreements for grantees have been signed and implemented as of June 17th 2020 with the remaining to be signed off and begin implementation. - Ongoing work for 35 workers employed under