



Climate Outlook

Season	Baseline(30 years 1981-2010)	Actual	Comment	Trend
Rainfall - Apia Station				
Dec - 2019	344mm	489.1 mm	Drier compared to Dec 2018 (507.6mm)	Above Average
Jan - 2020	447mm	544.7 mm	Wetter compared to Jan 2019 (238.7mm)	Above Average
Temperature - Apia Station				
Dec - 19	30.7°C (max)	30.9°C (max)		Average
Jan - 20	30.9°C (max)	30.5°C (max)		Average
Sea Level Rise (not applicable - longterm)				
Jan-19	4mm/yr	4.5mm/yr	No change monthly since its a long term determination	Slightly rising – need to be corrected to land movement.
Tropical Cyclones (TC) (SW Pacific Region: 160°E – 120°W and 0° to 25°S)				
2019-2020	10 Tropical Depression were monitored this season 2019-2020.	TD01-22 Nov 19 TD02-26 Nov 19 TD03-26 Dec 19 TD04-15 Jan 20 TD05-25 Jan 20 TD06-9 Feb 20 TD07-17 Feb 20 TD08-17 Feb 20 TD09-20 Feb 20 TD10-22 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 our region and only two (2) Tropical Cyclone developed and moved within Samoa 400km EEZ (TC Vicky & TC Wasi)	2019-2020

Climate Change Mitigation

(i) Electricity/ Renewable Energy	Amount of Electricity Generation 9in Kilowatt-hours) from various sources of Energy as well as Diesel.							Responsible Agency	
	2014 Jan	2015 Jan	2016 Jan	2017 Jan	2018 Jan	2019 Jan	2020 Jan		
Hydro	1,741,522	1,957,189	3,049,185	2,229,872	4,075,809	5,951,343	4,165,088	EPC	
Wind (kWh)	0	12,700	24,240	12,500	16,400	11,400	17,000	EPC	
Solar (kWh)	0	322,102	1,137,039	1,505,917	1,657,973	2,024,299	1,752,985	EPC	
Diesel ((kWh)	6030718	7,995,697	8,236,245	9,431,487	6,854,550	7,196,270	8,891,574	EPC	
Total Generation	7,772,240	10,287,688	12,446,709	13,179,776	12,604,732	15,183,312	14,826,647		
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 2019		Distribution %		Responsible Agency
Electricity	24.9 million litres		24%		NA		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%						
Total	126.4 million liters								
(iii) LTA Trans port 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									

mm- millimeters

Ha - hectares

Sq.km - square kilometres

TD- Tropical Depression

c-ton - carbon tonne

mph- miles per hour

C - Degrees Celsius

TC- Tropical Cyclone

Kwh – kilowatt hour

tCO2e- carbon equivalent

**Climate Change Mitigation**

(iv) Forestry	Baseline 2014	# trees dispatched/distributed /planted	Total # of trees dispatched/distributed/planted	Responsible Agency
MNRE	165,048.89ha (58%) 47,736,227 c-ton	404,623	2,044,621 729.51 - total area (ha)	MNRE
Private Business /Communities		55,144		
Samoa Farmers Federation Inc -(SFFI)		1,031,000		
MAF		464,760		MAF
STEC		89,094		STEC

Climate Change Governance

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

International obligation to UNFCCC

Samoa's 3rd National Communication Report • National Circumstances • National GHG Inventory • Vulnerability & Adaptation Assessment • Mitigation Action Development the First Biennial Update Report (BUR) on Climate Change / Knowledge M&E	2020 - 2023	Work commencing to update	MNRE
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Climate Change Financing and Adaptation & Mitigation Actions

Partner/ Source	Project Title/ Timeframe - IA	Amount (USD)	Utilization %	Responsible Agency
Global Environment Facility	SMSMCL (2015-2020)	\$4,736,363.00	98%	MNRE/MoF
	EWACC (2015-2021)	\$12,322,936.00	70%	MNRE/ MoF
	IMPRESS (2017-2022)	\$6,076,000.00	58%	MNRE/MoF
Green Climate Fund (GCF)	GCF (2017 - 2023)	\$65,718,000.00	7%	MoF/MNRE/MoH MWI/LTA
IDA/ World Bank	ECR/PPCR Project (2013-2020)	\$14,600,000.00	63%	MoF/MNRE
IDA/ World Bank	Pacific Resilience Project	\$16,790,000.00	32.61%	MNRE