



GOVERNMENT OF SAMOA

MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT



Tree Planting activity at Malololelei Recreation Reserve to commemorate World Biodiversity Day 2019

**Annual Report
2019 – 2020**

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OFFICE OF THE MINISTER OF NATURAL RESOURCES AND ENVIRONMENT

Ministry of Natural Resources and Environment; National Parks, Recreation and Water Conservation;
National Disaster Management; Meteorology and Forestry.

12th January 2021

Hon. Speaker of the House
Legislative Assembly
APIA

In accordance with Section 143 of the Lands and Environment Act 1989, I am pleased to submit herein the Annual Report of the Ministry of Natural Resources and Environment for the year ended June 30, 2020.

The Report is the record of the Ministry's performance in accordance with its mandate and output structure, and to be laid before the Legislative Assembly of Samoa.

May the Assembly be enlightened.

With respect,

Tuilaepa Lupesoliai Aiono Dr. Sailele Malielegaoi
PRIME MINISTER/MINISTER

ACRONYMS

| | |
|----------|--|
| ABS | Access and Benefit Sharing |
| ABSCH | Access and Benefit Sharing Clearing House |
| ACEO | Assistant Chief Executive Officer |
| ADB | Asia Development Bank |
| ADRA | Adventist Disaster Relief Agency |
| AF | Adaptation Fund |
| AGB | Aboveground Biomass |
| APTC | Australia Pacific Technical College |
| CBD | Convention on Biological Diversity |
| CBSAP | Consolidated Capacity Building Strategy and Action Plan |
| CCRCS | Climate Change Report Card Stakeholder |
| CEO | Chief Executive Officer |
| CGPS | Continuous Global Position System |
| CI | Conservation International |
| CIM Plan | Community Integrated Management Plans |
| CITES | Convention on International Trade in Endangered Species of Wild Fauna and Flora |
| CLEWS | Climate Early Warning System |
| CMS | Convention on the Conservation of Migratory Species of Wild Animals |
| COP | Conference of the Parties |
| COT | Crown of Thorn |
| CROP | Council of the Regional Organizations in the Pacific |
| CS | Carbon Stock |
| DAC | Disaster Advisory Committee |
| DC | Development Consent |
| DCDB | Digital Cadastral Database |
| DEC | Division of Environment |
| DMO | Disaster Management Office |
| EE | Energy Efficiency |
| EPC | Electric Power Corporation |
| ESPO | End of Sector Plan Outcome |
| EWACC | Economy Wide Adaptation to Climate Change |
| FAO | Food and Agriculture Organisation |
| FD | Forestry Division |
| FESA | Fire and Emergency Services Authority |
| GCF | Green Climate Fund |
| GEF | Global Environment Facility |
| GHG | Green House Gas |
| GHGAS | Greenhouse Gas Abatement Strategy |
| GIS | Geographic Information System |
| GNSS | Global Navigation Satellite System |
| HFCs | Hydrofluorocarbons |
| IMPRESS | Improving Performances and Reliability of Renewable Energy Power System in Samoa |
| IUCN | International Union on Conservation of Nature |
| IWSA | Independent Water Schemes Association |
| JCS | Job Classification System |
| JICA | Japan International Cooperation Agency |
| JWSSC | Joint Water and Sanitation Sector Steering Committee |
| KBA | Key Biodiversity Areas |
| LDD | Land Degradation and Drought |
| LDN | Land Degradation Neutrality |
| LDS | Latter Day Saint |
| LMD | Land Management Division |
| LOA | Letter of Agreement |
| LTA | Land Transport Authority |
| LTRA | Land and Titles Registration Act |
| M & E | Monitoring and Evaluation |
| MCDEM | NZ Ministry of Civil Defence & Emergency Management |
| MEAs | Multilateral Environment Agreements |
| MJCA | Ministry of Justice Courts and Administration |
| MNRE | Ministry of Natural Resources and Environment |
| MOF | Ministry of Finance |
| MOH | Ministry of Health |
| MOU | Memorandum of Understanding |

| | |
|---------|--|
| MOEJ | The Ministry of the Environment of Japan |
| MPA | Marine Protected Area |
| MTEF | Medium Term Expenditure Framework |
| MWCSD | Ministry of Women, Community and Social Development |
| MWTI | Ministry of Works, Transport and Infrastructure |
| NAMA | Nationally Appropriate Mitigation Actions |
| NAP | National Action Plan |
| NEOC | National Emergency Operation Centre |
| NESP | National Environment Sector Plan |
| NESSC | National Environment Sector Steering Committee |
| NGOs | Non-Governmental Organisations |
| NOC | National Ozone Committee |
| NUS | National University of Samoa |
| ODS | Ozone Depleting Substances |
| OLPP | Ole Pupu Pu'e |
| OLSSI | O Le Siosiomaga Society Incorporated |
| PARTneR | Pacific Risk Tool for Resilience Project |
| PAS | Plumbers Association of Samoa |
| PEEP | Promoting Energy Efficiency in the Pacific |
| PICTs | Programmes to further support Pacific Island countries and territories |
| PMC | Pacific Meteorology Council Meeting |
| PMS | Performance Management System |
| PPCR | Pilot Programme for Climate Resilience |
| PREP | Pacific Resilient Project |
| PSC | Public Service Commission |
| PUMA | Planning and Urban Management Act |
| PWWA | Pacific Water & Wastewater Association |
| RAC | Refrigeration and Air conditioning |
| RACAS | Refrigeration and Air-conditioning Association of Samoa |
| R2R | Ridge to Reef |
| RE | Renewable Energy |
| RED | Renewable Energy Division |
| RET | Renewable Energy Technology |
| RESTEC | Remote Sensing Technology Center of Japan |
| SamFRIS | Samoa Forest Resource Information System |
| SBC | Samoa Beverage Company |
| SBEC | Small Business Enterprise Centre |
| SDGs | Sustainable Development Goals |
| SFM | Sustainable Forests Management |
| SGP | Small Grants Programme |
| SLC | Samoa Land Corporation |
| SLM | Sustainable Land Management |
| SMSMCL | Strengthening Multi-Sectoral Management of Critical Landscapes |
| SPC | South Pacific Community |
| SPREP | South Pacific Regional Environment Programme |
| SRCS | Samoa Red Cross Society |
| SREA | Samoa Refrigeration Engineering Association |
| SSIG | Samoa Solidarity International Group |
| STA | Samoa Tourism Authority |
| SSTA | Savai'i Samoa Tourism Association |
| SUNGO | Samoa Umbrella for Non-Government Organisation |
| SWA | Samoa Water Authority |
| TAG | Technical Advisory Group |
| TC | Tropical Cyclone |
| ToR | Terms of Reference |
| TK | Traditional Knowledge |
| TKAGR | Traditional Knowledge associated with Genetic Resources |
| UNCBD | United Nations Convention of Biological Diversity |
| UNDP | United Nations Development Programme |
| UNEP | United Nations Environment Programme |
| UNFCCC | United Nations Framework Convention on Climate Change |
| WMP | Watershed Management Plan |
| WRD | Water Resources Division |
| YCAN | Youth Climate Action Network of Samoa |

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TECHNICAL BOARDS

Forestry Board

| | |
|--|-----------------|
| Minister of Natural Resources & Environment | Chairman |
| Chief Executive Officer, MNRE | Deputy Chairman |
| Chief Executive Officer, Ministry of Finance | Member |
| Chief Executive Officer, Ministry of Agriculture & Fisheries | Member |
| Chief Executive Officer, Ministry of Commerce, Industry & Labour | Member |
| Chief Executive Officer, Ministry of Women, Communities and Social Development | Member |
| Faamoetaulua Lagisoifua Etene | Member |
| Tiatia Fisiga | Member |
| Lemana Aukusitino Ono | Member |
| Tupai Fiamatai | Member |
| Tataimata Malae Laaia | Member |

Geographic Names Board

| | |
|---|---------------------|
| Minister of Natural Resources & Environment | Chairman |
| Chief Executive Officer, MNRE | Deputy Chairman |
| Safuta Toelau Iulio (ACEO Technical Services) | Secretary |
| Sagalala Salanoa | Registered Surveyor |
| Chief Executive Officer, Ministry of Education Sports & Culture | Member |
| Chief Executive Officer, Land & Transport Authority | Member |
| Chief Executive Officer, Ministry of Women Communities and Social Development | Member |
| Chief Executive Officer, Samoa Tourism Authority | Member |
| Police Commissioner, Ministry of Police | Member |
| Commissioner, Fire Emergency Services Authority | Member |
| Su'a Mulitalo Suapi | Member |
| Atoa Tafunai | Member |
| Patu Ativalu | Member |

Land Board

| | |
|---|-----------------|
| Minister of Natural Resources and Environment | Chairman |
| Chief Executive Officer, MNRE | Deputy Chairman |
| Ministry of Natural Resources & Environment Attorney General | Member |
| Chief Executive Officer, Ministry of Finance | Member |
| Chief Executive Officer, Ministry of Agriculture & Fisheries | Member |
| Chief Executive Officer, Ministry of Works Transport & Infrastructure | Member |
| Pula Mafi Brown | Member |
| Tiatia Lino | Member |
| Moti Satuala | Member |
| Malaeulu Misimoa Tuala | Member |
| Fonoivasa Lolesio Ah Ching | Member |

Water Resources Board

| | |
|---|-----------|
| Minister of Natural Resources and Environment | Chairman |
| ACEO – Water Resources Division, MNRE | Secretary |
| Chief Executive Officer, MNRE | Member |
| Chief Executive Officer, Ministry of Health | Member |
| Chief Executive Officer, Ministry of Agriculture & Fisheries | Member |
| Chief Executive Officer, Ministry of Finance | Member |
| Chief Executive Officer, Ministry of Women Communities and Social Development | Member |
| Managing Director, Samoa Water Authority | Member |
| General Manager, Electric Power Corporation | Member |
| 4 Community Representatives | |
| 1 NGO Representative | |

Minister's Advisory Committee (UPOLU)

Ese Faasaulala
Faamanu Tavita Kaisa
Feagai Kirifi Leaana
Filisi Hala
Lesu Ogeuta
Loau Matauaina Keleti
Manu Fale Sailimalo
Mele Ai
Nuuialii Ioka
Penoa Lefulefu
Pula Tavita
Sei Sefo Sefo
Seugamalii Tuiatua Mikaele Ioane
Seulu Iloa
Tagoai Tausaga Auelua
Ula'e Etelagi Solia

Minister's Advisory Committee (SAVAII)

Autagavaia Uiese
Faamoetaulua Evile
Faiumu Meatuai
Fuli Pisa
Lauano Perese
Laulu Filimaua
Lealaiauloto Falefa
Levao Aiulu
Maiava Palaisa
Mamea Pepa
Polataivao Pouvalu
Poulava Foaimua
Mailata Vaega
Moananu Pati
Vaoliko Gafoga
Pepe Vainalepa

Siumu
Vailoa Faleata
Faleasiu
Afiamalu
Saanapu
Vaiala
Vailuutai
Eva
Faleula
Malie
Vaitele Faleata
Lotofaga
Matatufu Lotofaga
Lalovi
Aufaga
Malaemalu

Vailoa Palauli
Lelepa
Aleipata
Foluga
Patamea
Faala Palauli
Avao
Saleula
Safotu
Saleia
Fagae
Tafua
Saleia Avao
Asau
Sataua
Tapueleele

Purpose & Vision

Purpose

The Ministry of Natural Resources and Environment leads the management of Samoa's environment and natural resource. We work across a diverse range of issues as reflected in the core functions undertaken by the 14 Divisions.

Who we are?

Our work is guided by the Government priorities under the Strategy for the Development of Samoa 2017 – 2021 (SDS), community values, aspirations, the state and condition of natural resources, and our legislative and policy mandates.

Vision

Improved quality of life for all Samoans that is premised on sustainable development and management of Samoa's natural resources and environment.

Mission

Working together in close partnerships with communities and stakeholders for the pursuit of sustainable development.

Mandatory Roles

An Environmental Regulator

Target national efforts to maintain and improve environmental standards and to minimize unnecessary pressure on the environment and improve livelihoods.

An Environmental Administrator

Work with people and communities to protect and improve the environment in an integrated sustainable approach.

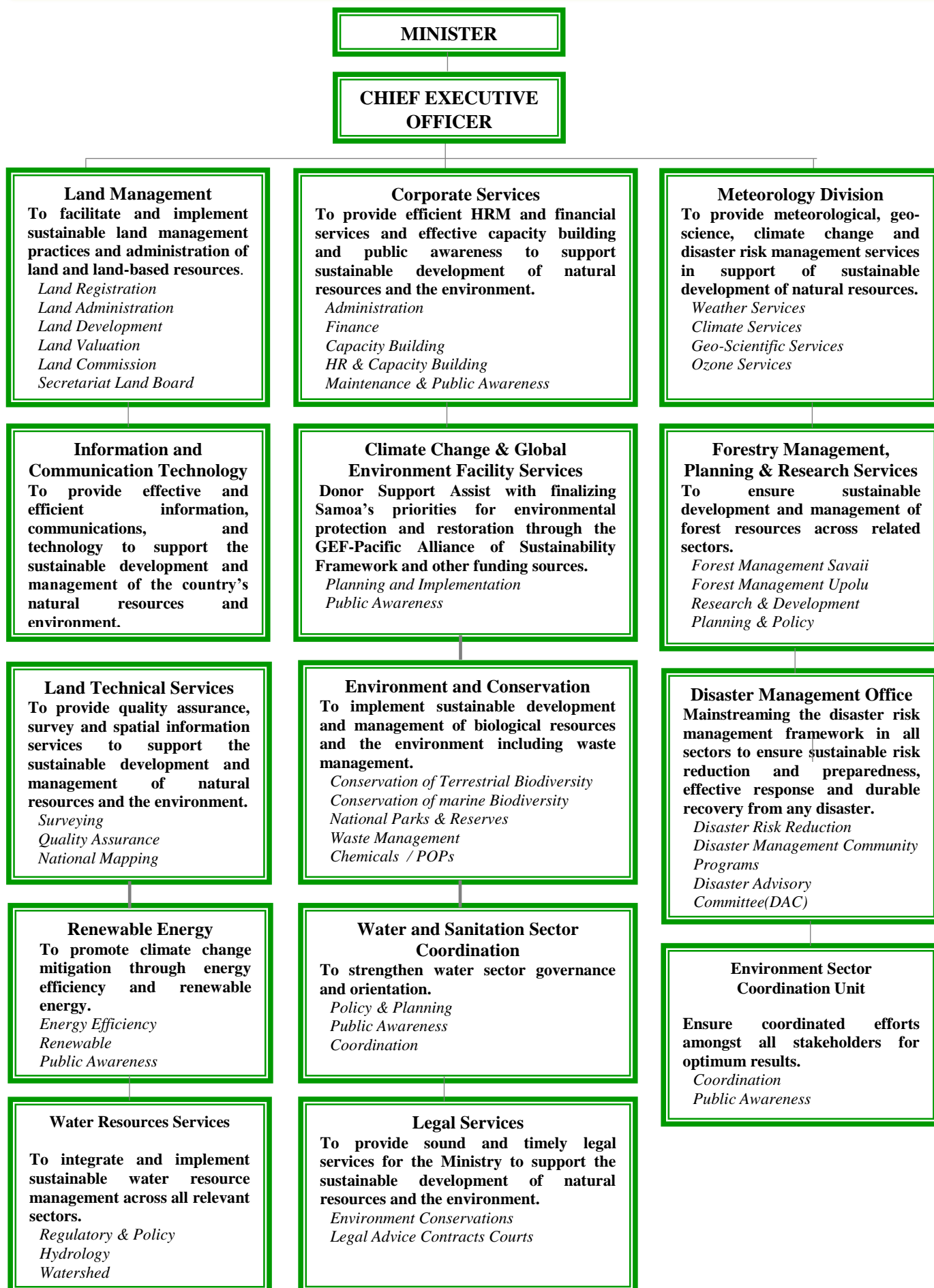
An Environmental Advisor

Compile and assess the best available evidence and use these to report on the state of the environment. To provide technical information and policy advice to the government to support their roles in decision making.

An Environmental Advocate

Environmental stewards advocating for better environmental outcomes

MINISTRY ORGANIZATIONAL STRUCTURE



HIGHLIGHTS

Pacific Meteorological Council(PMC) Meeting, August 2019



MNRE hosted the Fifth Pacific Meteorological Council (PMC) Meeting in Apia, from the 5th- 9th of August 2019. This meeting brought together PMC members, government officials, SPREP development partners, Council of the Regional Organizations in the Pacific (CROP), United Nation agencies, and institutions to discuss, promote and explore opportunities that strengthen weather, climate, water and ocean services in the context of sustainable development.

Launching of the Tree Management Policy, November 2019



The Tree Management for Disaster Risk Reduction Policy outlines Landowners responsibilities on how to manage trees on their property and reduce risk to life. However, if trees pose some form of risk to human life and property, then members of the community are urged to contact the Disaster Management Office to undertake a risk assessment and determine a management strategy.

Protection of Genetic Resources Workshop, November 2019



Samoa's flora consists of 500 species of native flowering plants and about 220 species of ferns, making it one of the

most diverse floras in the Polynesia. It has become the first Pacific nation to implement and safeguard measures to protect the legal use of genetic resources and traditional knowledge through its patent system.

Samoa is also the first country in the region to host its own National Access and Benefits Sharing Workshop under the Global Environment Facility and United Nations Development Programme Global Access and Benefits Sharing (ABS) project.

MNRE supports Work Attachment for Staff, November 2020



Mr.Maccarios Auvae who is a Scientific Officer under Meteorology Division is one of the many staff that has been fortunate to travel to Tokyo Japan for a 3-months work attachment with the Japan Meteorological Agency. This training focuses on production and delivery of meteorological and climatological information, disaster prevention authorities and other users

Coordinated Agency Response, Measle Outbreak, October 2019



The 2019 measles outbreak in Samoa started in early October hitting the most vulnerable age group (1-14 years). The State of Emergency Proclamation on the 15th September 2019 ordered the closure of all schools and children under the age of 14 to be kept at home and strictly away from public gatherings. The NEOC (National Emergency Operation Center) was activated to coordinate response works towards the outbreak assisting the Ministry of Health (MOH).

The two day lockdown vaccination campaign on December 5th & 6th was conducted to help maximize national vaccinations for the public. This was in addition to the ongoing campaign that had vaccination teams go out

to villages including vaccination sites which were made available in town area especially the most affected areas.

Financial Management Report Training, November 2019



MNRE through the Water and Sanitation Sector Coordination Division (WSSCD) in close collaboration with the Oloamanu Centre (National University of Samoa) conducted several human resource development trainings for the Sectors, as part of the Sector’s Capacity Building Strategy and Action Plan 2018 – 2021.

National Environment Week Theme- National Resilience through environmental sustainability- an integrated approach, November 2019



A number of key documents were launched during The Environment Week such as:

- i. Samoa’s Sixth National Report to the Convention on Biological Diversity (CBD)
- ii. National Access and Benefit Sharing (ABS) Project Products
- iii. National Invasive Species Strategy and Action Plan (NISSAP 2019-2024)
- iv. National Interim Report on the Implementation of the Nagoya Protocol in Samoa 2018
- v. National Waste Management Strategy 2019-2023, National Climate Change Strategy

National Tree Management Policy and the Samoa Climate Change Information and Knowledge Management (IKM) Strategic Framework and Work Plan (Samoa iCLIM Project).

Other events included the Ocean and Climate Change Talanoa, a forest tour and a tree planting activity at the Vaipouli Forestry Compound in Savaii and the Environment Sector Sixth Annual Review. The Environment Week concluded with the National Environment Forum and the National Environment

Awards acknowledging the contributions of the following key partners.



National Environmental Award 2019



| | Names & Titles | Award Category |
|----|--|------------------|
| 1 | Samau Ieru Lokeni Village Mayor- Fagalii | Individual |
| 2 | Pepe Faaopopo Solomon Sui Tamatai- Fagalii | |
| 3 | Marina Su’a Keil Waste Management Co. Ltd | |
| 4 | Niulevaea Ropati Ioane Tyrell Air Rite Company | Community |
| 5 | Alipia Alipia Auala, Savaii | |
| 6 | Tuatagaloa Joe Annandale | Company |
| 7 | Apia Village Council | |
| 8 | EFKS Organic Farm Group Sataua | |
| 9 | EFKS TV2 Station | |
| 10 | JAFFA’s Sanitary System | Group |
| 11 | Samoa Stationery & Books Ltd. | |
| 12 | Nuanua o le Alofa | |
| 13 | Samoa Farmers Association | |
| 14 | Faataua le Ola | |
| 15 | Samoa Recycling & Waste Management Association (SRWMA) | School |
| 16 | Youth With A Mission Biogas System Falelauniu | |
| 17 | Divine Mercy School | |
| 18 | Tusani Iosefatu Reti | Special Award |
| 19 | National Steering Committee GEF Small Grants Program | |
| 20 | Bank of the South Pacific Go Green Initiatives | |

Planning and Management of National Mapping and Surveying Course, December 2019



Mr. Petania Tuala of the Land Technical Service Division attended a 4 months work attachment training in Japan on geospatial information technologies and planning methods to improve public surveying and mapping administration.

UNFCCC 25th Conference of the Parties (COP25) in Madrid, Spain - January 2020



Ms Vanda Faasoa Chan Ting (ACEO – Renewable Energy Division) had the opportunity to participate and presented at COP 25 side event under the theme ‘SIDS are leading by example: Ambitious NDCs to halt warming at 1.5°C’. This was an opportunity for the IMPRESS project to showcase its work in the global arena which was also a milestone for our small island nation mitigation action towards climate change. An update on the contribution of Samoa IMPRESS Project focused more specifically on the Renewable Energy Technology used (i.e. Afolau Biomass Gasification Plant and its contribution towards achieving Samoa’s NDC Pledge and 100% electricity generation from renewable energy sources).

Climate Change Report Card stakeholder Meeting, February 2020



MNRE conducted its first stakeholder meeting with the key objective; to strengthen and enhance coordination

across sectors and Ministries to ensure reliable and accurate data/information are generated to reflect status of climate change actions through the Climate Change Report Card.

Five (5) updated editions of the CC Report Card are in place which were presented at the Cabinet Development Committee (CDC) meeting in 2019. The report provided a summary on highlighting progress of national efforts with regards to the mitigation & adaptation, climate finance, governance and climate variability.

Climate Change Report Card (Report Quarterly basis)

| Season | Baseline 1981-2010 | Actual | Comment | Trend |
|--|---|--|--|-----------------|
| Soil Moisture - Apia Station | | | | |
| Dec-2019 | 244mm | 489.1mm | Drier compare to Dec 2018(507.8mm) | Above Average |
| June-2020 | 138mm | 262.0mm | Drier compared to May 2019. | Above Average |
| Temperature - Apia Station | | | | |
| Dec-2019 | 30.4°C/mo | 30.9°C | Increase compared to Dec 2018 (30.6°C) | Average |
| May-2020 | 30.4°C/mo | 31.4°C | Increase compared to May 2019(30.9°C) | Above Average |
| Sea Level Rise (not applicable - long term) | | | | |
| Jan-2019 | Annular | 4.5mm/yr | No change monthly since its a long term determination. | Slightly rising |
| Tropical Cyclones (TC) [SW Pacific Region] | | | | |
| 2019-2020 | 10 Tropical Depression were monitored this season | 1001-22 Nov-19 1002-24 Nov-19 1003-24 Dec-19 1004-15 Jan-20 1005-25 Jan-20 1006-09 Feb-20 1007-17 Feb-20 1008-17 Feb-20 1009-20 Feb-20 1010-20 Feb-20 | 160°E - 120°W and 0° to 20°S TC Rina - 1002 TC Sana - 1002 TC Iino - 1002 TC Uea - 1006 TC Vicky - 1009 TC Wasi - 1010 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 |

Training of the Protected Area Advisory Committee (PAAC) on the implementation of the GPS device and QGIS software, February 2020



Mr. Bradley Eichelberger and Mr. Vainuupo Jungblut from SPREP conducted the three days training on how to implement the GPS device outside on the field for monitoring of Samoa’s protected areas including the QGIS software for analyzing and editing of spatial information and the composing and exporting of graphical maps. QGIS software contains special features, both raster and vector that stored as point, line, or polygon features for mapping.

Protected Area Advisory Committee Meeting (PAAC), February 2020



The Protected Area Advisory Committee meeting has been designed to include as part of the GPS and QGIS three days training program. BIOPAMA program supports the long-term conservation and sustainable use of biodiversity and natural resources in protected areas and surrounding communities through the use of information, capacity development and governance.

The Roles and Responsibilities of the Committee (PAAC), is to provide technical advice on protected area policies and programmes. Facilitate the collation, consolidation and sharing of information and data to support protected area management; policy and project development. In addition to that, it provides technical input to the preparation of technical reports for the National Environment Sector Plan, NBSAP, SDS and also reports required under the CBD and other related regional and international agreements. Monitor the status of Samoa’s protected areas and track progress towards the achievement of Samoa’s PA targets as described in the NBSAP and the Roadmap. Participate in national surveys and related activities on protected areas, as appropriate

Issue License and Certificates to Two new Certified Surveyors, February 2020



The Ministry celebrated the achievements of two (2) new members, added in to the list of Registered Surveyors in Samoa, when they were issued licenses to practice in Samoa. They are: Mr. Ataataotaulelei Salanoa (Private Surveyor) and Mr. Safiu Oloapu (SLC Surveyor).

Aopo Consultation to Develop Biocultural Community Protocol, March 2020



The Division of Environment Conservation partnered with the United Nation Development Programme (UNDP) and the Secretariat of Pacific Regional Environmental Programme (SPREP) in conducting a consultation with the Aopo community in Savaii, to further implement the Nagoya Protocol on Access to genetic resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization, also referred to as “Access and Benefit Sharing”.

National Response to the COVID-19 Pandemic Global Crisis, March 2020



As the Coronavirus (COVID-19) crisis escalates globally, the World Health Organization (WHO) declared the Coronavirus (COVID-19) outbreak a global pandemic. Through national emergency protocols, a Proclamation of a State of Emergency on the 20th of March closed all Samoas borders to the world restricting travel and the movement of people and goods.

The NEOC was activated to assist the Ministry of Health with response works and to enforce and strengthen Cabinet orders. After months of closing the borders and the country being Coronavirus free, the Government chartered repatriation flights to help bring back Samoan citizens stranded overseas including students who have completed their scholarship program.

Vendor Management Strategy Review, March 2020



The Apia Waterfront Management Committee meets for the third time to review and discuss the Draft report on Vendor Management Strategy in relation to the Utilization of Government Lands In and around The Apia Waterfront and Town Areas

Samoa Disaster Advisory Committee (DAC) Meeting, March 2020



The second Disaster Advisory Committee (DAC) meeting was chaired by Afioga Ulu Bismarck Crawley, MNRE CEO and National Emergency Operation Center Controller (NEOC) for Covid-19 Preparations. As targeted on the agenda, there is a need to produce and finalize an advisory submission to Cabinet (PK) to tighten and extend general restrictions and prevention efforts in response to the worldwide Coronavirus Pandemic and to approve and endorse Covid-19 compiled Sectors Response Plan and Situational Report to assist the 14 sectors preparedness activities at this stage.

Prompting Continuous Learning Session (CLS) March 2020



The Corporate Service Division continues to promote CLS on trainings, workshops, courses and conferences attended by the employees internationally and locally. It is an ongoing process aimed to improve staff performance and

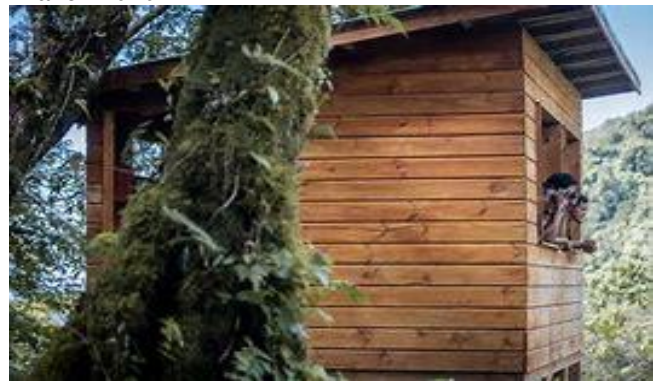
promote the importance of sharing knowledge and skills acquired from trainings and workshops. The CLS enables staff to become more effective and efficient in their contribution to the Ministry.

SSAB at the Forefront of Tackling Down E-Waste, March 2020



The E-Waste Internship Programme kick started on Friday, 20 March 2020 with the Samoa Stationery and Books CEO, Tofilau Fiti Leung thanking MNRE, HP partners and stakeholders in successfully collecting and shipping out over 1,180kg of e-waste from Samoa. The HP Take Back E-Waste Project was launched by SSAB in partnership with MNRE and HP last February. This project was set in motion by placing E-waste boxes at Government offices and selected areas, to collect used HP toners and inks from Government Departments and stakeholders. SSAB is the first company at the forefront, to take down E-waste. And because of the HP Take Back E-Waste Project there is more than 1,180 kg of E-waste that will not be buried in our landfills.

Launching of the Uafato's new trail and bird hide, March 2020



The launch of the trail and hide is the culmination of the 9 month 'Saving the Manumea and Samoa's Natural Heritage project that was carried out by SCS and funded by the SMSMCL Project.

The overall aim of this particular 'project is to raise awareness of the urgent need to save the critically endangered national bird of Samoa, the Manumea. The practical aspects of the project have included creating awareness around the bird by painting large scale murals on prominent walls in Upolu and Savaii, a social media

campaign, habitat restoration, pest control in specific rainforest areas and banning the hunting of lupe in Manumea friendly villages. The project has been focused on 5 villages where the Manumea has been sighted in the last 10 years - the most recent confirmed sighting of the bird was here in the Uafato rainforest in 2017 during the SMSMCL Project's National Biodiversity Rapid Assessment that was carried out in the Project's Key Biodiversity areas of Uafato, Tiavea on Upolu; and Taga, Falealupo and Aopo Savaii.

Access and Benefit Sharing Clearing House (ABSCH) Database Training Implementation of the Nagoya Protocol, April 2020



The Division for Environment and Conservation conducted a one day training on the ABSCH and Traditional Knowledge associated with Genetic Resources (TKGR) Database. The key objective of the training was to raise awareness on the Nagoya Protocol on Access and Benefit Sharing and for the users to familiarize with the Database, how to build data entry capabilities of participants so that data is managed properly.

Signing of the Third National Communication (3NC) & First Biennial Update Report (BUR), May 2020



Afioga Ulu Bismarck Crawley, CEO MNRE and Jorn Sorensen, UNDP Resident Representative signed the Third National Communication (3NC) & First Biennial Update Report (BUR) Project Documents which signals the start of the new Project with the Ministry to assist in the preparation and submission of its Third National Communication and First Biennial Update Report towards the fulfillment of its obligations under the United Nations Convention for Climate Change (UNFCCC).

Celebrating National Biodiversity Day, May 2020



Samoa Conservation Society in partnership with the Ministry, plants over 500 trees at the Malololelei Recreation Reserve to commemorate the World Biodiversity Day.

Biogas Pilot site visit, June 2020



UNDP in Samoa's Resident Representative, Mr Jorn Sorensen and Deputy Resident Representative, Ms Verena Linneweber visited the biogas pilot site at Piu, Falealili and the new Afolau Biomass Gasification Plant at Mulifanua funded under the IMPRESS Project.

World Environment Day, June 2020



World Environment Day was commemorated by the UNDP Samoa with support from the Ministry in preparing more than 500 native forest trees to plant at the Faleata Nature Reserve Park to mark the event and to support the Two Million tree planting campaign 2015-2020.

Plant Propagation Training, June 2020



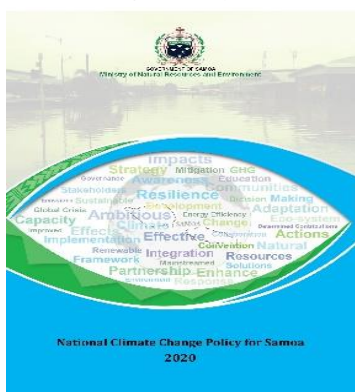
Plant Propagation Training to help address challenges with nursery development, plant biology general knowledge, techniques with plant collection and propagation was conducted by the National University of Samoa, the Samoa Conservation Society and the Division of Environment and Conservation through the financial assistance from the Botanical Garden Conservation Internal based in the UK.

Forestry Board visit Masamasa National Park in Savaii, June 2020



The Hon.Fiame Naomi Mataafa, Minister-MNRE, Hon.Taefu Lemi Taefu, Associate Minister-MNRE and members of the Forestry Board visited the Masamasa/Falelima National Park at Asau and the newly renovated Forestry office at Maota, Savaii. The field visit was to observe the different exotic and native trees that were planted years back since the early 90s during the Reforestation program by the NZAID.

National Climate Change Policy (2020-2030)



A series of consultation was conducted for the collection of information and data presented in this Final Draft Policy for stakeholder information and validation

Renovation of the Maota Forestry Office building in Savaii by New Era Constructions, June 2020.



Waste Management- Bin Collection, June 2020



The Waste Management Unit conducts a clean-up every Friday or twice a week, sometimes more frequently, to clean up rubbish from public littering in public spaces such as Reserve areas and Bus Stops especially the one at Motootua Hospital and Vaitele-tai.

Promoting sustainable micro-enterprises to vulnerable household and agro business, June 2020



The EWACC Project (Climate Change and GEF Division) in partnership with the Ministry of Women, Community and Social Development (MWCSD) promotes sustainable micro-enterprises to vulnerable households on agro-businesses with a sustainable and resilient value chain approach to promote diversified livelihoods intervention to address impacts of climate change.

This project component aims to enhance the resilience and adaptive capacity of vulnerable households' towards disasters and climate change through establishing and operating small-scale businesses such as food stalls, aquaculture, agro-forestry, handicrafts, and others. In this quarter, 80 vulnerable households in total (50 from Upolu plus 30 from Savaii) with diversified livelihoods interventions supported and benefited in this round of

assistance.

Induction Training for New Recruits, June 2020



The Corporate Service Division conducted four Induction trainings for new recruits within this year to introduce existing policies and regulations, staff working conditions and entitlements once recruited.

Distribution of Water and Rubbish Bins to Quarantine Sites, June 2020



The National Emergency Operation Center (NEOC) team distribute water and rubbish bins to all Quarantine Sites. These sites have been mobilized with donated cartons of water and rubbish bins for quarantine passengers. Thank you to all our agencies for their help and support during this pandemic.

Planting of the Vetiver grass at river banks, June 2020



The Ridge to Reef Project with the support of the Water Resource Division re-plant the vetiver grass along the River Banks at Vaivase tai and Fagalii to prevent soil erosion, and decrease runoff of pollutants into the water.

Renewable Energy School Awareness Campaign 2020 , June 2020



The Renewable Energy Division (RED) in partnership with the IMPRESS Project has put together an awareness campaign that is ideal for primary school educational level. As one of the phenomenal issues being widely discussed in today's global platforms, workplaces and communities is climate change and its adverse impacts on small island nations. Samoa is still committed to achieve its Nationally Determined Contribution (NDC) target goal "100% of the electricity to be generated from renewable energy sources by the year 2025" to replace our dependency on fossil fuels.

Styrofoam BANNED, June 2020



The Ministry advises the public of Styrofoam plates, containers and cups which will be BAN in Samoa from the 30th of June 2020

Staff Establishment

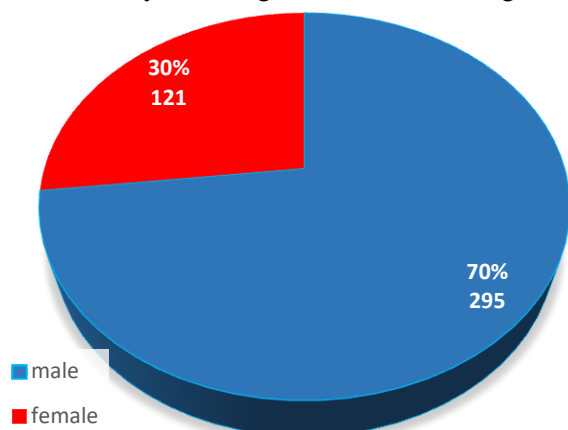
| Division | Occupied | Vacant | Non- Established Projects | Total |
|--------------|------------|-----------|---------------------------|------------|
| CEO | 1 | 0 | 0 | 1 |
| MIN | 4 | 0 | 0 | 4 |
| RED | 4 | 0 | 3 | 7 |
| GEF&CC | 1 | 0 | 6 | 7 |
| ESCU | 4 | 0 | 0 | 4 |
| ICT | 6 | 2 | 0 | 8 |
| LMD | 28 | 1 | 3 | 32 |
| TS | 19 | 3 | 1 | 23 |
| DEC | 48 | 2 | 15 | 65 |
| FD | 81 | 8 | 10 | 99 |
| MET | 47 | 1 | 0 | 48 |
| WRD | 30 | 2 | 10 | 42 |
| DMO | 9 | 1 | 0 | 10 |
| WSSCU | 6 | 0 | 0 | 6 |
| LD | 5 | 1 | 0 | 6 |
| CSD | 51 | 3 | 0 | 54 |
| TOTAL | 344 | 24 | 48 | 416 |

The total number of staff for this FY 2019/20 is 368 permanent staff and 48 project staff.

Key characteristics of the workforce:

- Male comprise 70% (295) and 30% females (121).
- The majority of divisions are highly dominated by males except Legal Services, Renewable Energy, Disaster Management Office, Environment Sector, Water and Sanitation Sector and Corporate Services with most females.
- Note the increasing number of female recruits for technical position in the Water Resource and Conservation
- The young workforce with comprises 58% of staff within the 20s - 30s age bracket.
- 26% are within the 31-49 age gap
- 16% over 50+

Staff over 55 years of age =17 staff including Rangers



Staff Development

- The total number of training opportunities for the FY 2018/19 was 254 compared to 91 of this FY 2019/20, a decrease by 26% was due to the state of emergency travel restrictions for measles and Covid-19.
- 60% of the total opportunities offered were for meetings/negotiations; 40% for technical trainings, seminar and workshops (*Refer training Table & Chart on page 44*).

Challenges

1. Human Resource staffing issues, the need to review existing structure of each division such as Land Technical Division (LTD), Renewable Energy Division (RED) and Land Management Division (DEC)
2. Absorp project positions under IMPRESS & EWACC project
3. Re-designate existing position/division to be in line with their core functions and deliverables (eg: Technical Service as SIA, WSSCU to WASH Division and every other positions especially wage worker positions were transferred as permanent positions in 2013.
4. Limited Office space for some division at the TATTE Building.
5. Timely procurement process (Budgetary demands for capital replacement and infrastructure maintenance).
6. Contract issues and procurement under project.
7. Lack Reporting of Enforcement & Compliance (Monitoring, Site Inspections & Investigations)
8. Enforcement of legal tools within Communities (eg; (deforestation vs agricultural farming on customary land)
9. Maintaining the level of compliance to regulations and policies (e.g. License for Water Users)
10. Getting resources on time to conduct enforcement and monitoring of forestry harvesting operations and other forestry works (Savaii).
11. Availability of specific Technical Assistance locally for Renewable Energy and Energy Efficiency Studies.

OUTPUT 1: POLICY ADVICE TO THE MINISTER

Provide policy advice to the Minister on matters relating to the sustainable management of Samoa's Natural Resources and the Environment

Extracted from the Ministry Budget Full Year Review submitted to the Ministry of Finance (FY2019/2020) for all Outputs

| Performance Measure/ Indicator | Target | Progress | Comments |
|--|-------------------------|------------------------|---|
| Number of Renewable Energy and Energy Efficiency workshops and meetings | 4 | Completed/ Achieved | Had carried out more than 30 workshops and meetings for FY 19/20 |
| Number of Renewable Energy and energy Efficiency projects implemented in Communities | 2 | Completed/ Achieved | Afolau Biomass Gasification Plant & community biogas projects |
| Number of policies and strategies reviewed /implemented (NECC) | 2 | Completed/ Achieved | Reviewed GHGAS 2008-2018 internally & our team was also part of final consultations for the Energy Management Bill 2020 |
| Annual Report 2018/2019 completed and submitted to Parliament | Dec-19 | Completed/ Achieved | Completed and submitted on time |
| Number of projects designed and implemented across the 5 GEF focal areas | 4 | Incomplete | 3 project proposals complete and implementation is ongoing |
| Number of GEF and Climate Change Small Grants Community Projects Awarded and Implemented | 100% | Incomplete | 19 small grants project approved |
| Policy Framework, Climate Change Bill and National Adaptation Plan and Strategy endorsed and implemented | 80% | Incomplete | National Climate Change Policy in draft form and is with the NPCCC for comments before cabinet endorsement. Adaptation Strategy developed under EWACC is under review. Draft Climate Change Bill in draft form still in consultations with key stakeholders |
| Percentage of Climate Change Adaptation and Mitigation Projects designed and implemented | 80% | Completed/ Achieved | Newly approved Third National Communication project to undertake current state of play with adaptation and mitigation assessment |
| Annual UNFCCC negotiations attended and outcome recorded | 2 meetings | Completed/ Achieved | Attended 4 Virtual Zoom meetings of the UNFCCC Bureau with records of meeting in file |
| Environment Sector Annual Review conducted by end of November 2019 | 100%(6th Annual Review) | Completed/ Achieved | Environment Sector 6th Annual Review conducted in November 2019 |
| NESSC Quarterly Meetings | 4 meetings | Completed/ Achieved | 3 meetings conducted due to SOE (31/7/2019, 23/10/2019, 2/3/2020) |
| Sector Quarterly Reports endorsed by NESSC | 4 | Completed/ Achieved | 3 reports endorsed by the NESSC |
| NESSC Six-Monthly Site Visits Conducted | 2 | Incomplete | only 1 site visit was conducted in August 2019 due to SOE restrictions. |
| Number of sector coordination meetings attended/facilitated | 30 | Completed/ Achieved | more than 30 meetings coordinated and attended by the sector representatives |
| Fourth Edition of State of the Environment Report developed by end of 2020 | 75% | Incomplete | Draft TOR |
| Capacity Building Sector Plan | 100% | Incomplete | no funding. |
| Sector Disaster Management Plan | 100% | Incomplete | postponed. Pending availability of DMO - Activation of NEOC |

SUB OUTPUT 1: CLIMATE CHANGE & GLOBAL ENVIRONMENT FACILITY

Assist with finalizing Samoa's priorities for environmental protection and restoration through the GEF Pacific Alliance of Sustainability Framework and other funding sources.

The division of Climate Change and Global Environment Facility (GEF) that a coordinating and facilitating role for Climate Change and GEF programs in Samoa including policy development, coordination of various programs, reporting on climate change action, implementation and promoting adaptation and mitigation measures, provide assistance on propose climate change projects and ensuring effective reporting and advise is channeled through all key players.

The GEF has been one of the main sources of external financial assistance to Samoa's environment sector and has contributed enormously to Samoa's success in building a strong foundation for national environmental activities and meaningful contributions to regional and international environmental efforts. The Division aims to work towards strengthening partnership and collaboration between all relevant stakeholder in all levels of government, civil society, NGOs, development partners and the local communities that guarantees inclusivity and nation-wide approach to climate change.

1. Climate Change and GEF Division obligation as the National Operational Focal Point (ONFP)

The continuous advisory, reporting and implementation role in facilitating and coordinating the channeling of GEF financial assistance for project development and implementation and coordination of Climate Change programs continues to be the main role of this division.

Community Micro Environmental Projects: Small Grants Programme (SGP)

The presiding chair for the Steering Committee of the Small Grants Programme in Samoa is MNRE through the Climate Change & GEF Services Division as the coordinating unit. The FY 2019/20 approved a total of 19 proposals from communities and disbursement of financial assistance is via the GEF-UNDP Office to successful applicants to implement their proposed community projects.

2. National Priorities & Regional and at the International Space

UNFCCC Conference of the Parties (UNFCCC COP)

- Supporting Samoa's high-level delegation to the Conference of the Parties to the UNFCCC including Regional and International fora on advancing negotiations under the Convention and Paris Agreement.
- National representation and participation in global negotiations and agreements via establishing national and regional positions on international and regional priorities through this platform.

- Other key national obligations by Samoa to UNFCCC are pipelined for fulfillment includes; *3rd National Communication Report, the Biennial Update Report on Climate Change and Review of Samoa's National Determined Contribution (NDC).*
- Active participation and representation of Samoa in virtual meetings and conferences hosted by our development partners like SPREP, UNDP amongst others.
- Working with Regional Organisations such as SPREP, SPC, PIF on working on the Framework for Resilient Development in the Pacific. (FRDP)
- The development of Samoa's Draft National Climate Change Policy aims to set out a 10 year plan of action and the interventions needed across all sectors including the community level, to build resilience to the impacts of climate change and to mitigate its effects consistent with the nation's sustainable development objectives and to address our international obligations.

3. Achievements

Table 1: Climate Change Governance

| National Activities | Status |
|---|---|
| National Climate Change Policy (2020-2030) | - A series of consultation was conducted for the collection of information and data presented in draft policy - Final Draft Policy for stakeholder validation |
| Community Integrated Management Plans (2019-2029) | - CIM Plans printing in progress and distribution to Villages scheduled for last quarter of 2020 (PPCR Project) - Monitoring of implementation of the CIM plans by various responsible sectors. |
| Climate Change Report Card (Report Quarterly basis) | - Climate Change Report Card Stakeholder meeting discuss and explore strategies to deliver reporting to CDC effectively - Continuous collection and update of data and information and presentation of card to the CDC |
| Awareness and Outreach Programs (Quarterly basis) | - The continuous National Climate Change awareness programs through media outlets |

Table 2: Projects Directly implemented and Coordinated by the Division International Reporting and Projects

| Enabling Activities | Total Funds USD | Status |
|--|----------------------|---|
| Third National Communication Report and First Biennial Report (2020-2024) - National Circumstances - Update National GHG Inventory - Vulnerability & Adaptation Assessment - Mitigation Action | \$1,002,000.00 0% | - Project signing complete - National Introductory workshop was conducted in February 2020 - Preparation for Project Inception Workshop Recruitment of Project Staff in progress |

| | | |
|---|--|--|
| - Development of 1 st BUR Knowledge Management | | |
| National Determined Contribution Review (2020-2023) | | |

Climate Change Adaptation and Mitigation Projects

1. Pilot Program on Climate Resilience (PPCR) 2013-2021 – IDA/World Bank- \$14,600,000.00, 73%
 - Complete development and formulation of CIM Plans for 43 districts
 - Official printing of both English and Samoan copies in progress
2. Pacific Adaptation to Climate Change Resilience Building Project (PACRES) 2020-2022 – EU
 - Samoa is one of the five Pacific ACP countries where the €12 million EU funded Intra-ACP GCCA+ Pacific Adaptation to Climate Change and Resilience Building (PACRES) proposes to scale up adaptation/ecosystem-based adaptation (EbA) pilots.
 - PACRES aims to ensure better regional and national adaptation and mitigation responses to climate change challenges facing Pacific ACP countries. It is being implemented jointly by the Secretariat of the Pacific Environment Programme (SPREP), the Pacific Islands Forum Secretariat (PIFS), the Pacific Community (SPC) and the University of the South Pacific (USP). Funding for this project is procured through SPREP with coordination under the MNRE - CC and GEF Division in collaboration with the Forestry and Water Sector Divisions as key implementers. The PACRES Project aims to address climate challenges highlighted under the CIM Plans interventions in the forestry sector as well as providing opportunities to strengthen water security, and addressing ecosystem based adaptation measures within the areas of the project scope.
 - Upscaling activities in the Forestry Sector
 - Implement activities identified in CIM Plans – water security
 - Ecosystem and Socio-economic Resilience Analysis Mapping (ESRAM) style assessment in Saleaula, Savaii
 - National Parks Management Planning – Forestry Management Plan for Masamasa- Falelima National Park
 - Capacity needs assessments – Taga & Matautu villages during community consultation in February 2020
 - Training Opportunities – Practical farming methods, delivered through USP School of agriculture & Farming Techniques
 - Mainstreaming CC & DRM into local development plans – Community Development Sector Plan 2016-2021
 - Matautu District CIM Plan
 - Palauli West District CIM Plan
3. The development of the next project under the GEF replenishment cycle 7 Project : \$3,502,968 (0%)

Enhancing integrated sustainable management to safeguard Samoa's natural resources

- The concept or the project identification form (PIF) was submitted after conducting 3 wider stakeholder consultations for the formulation of the concept.
- submission to GEF council and approval of the GEF 7 project proposal in May 2020 for Samoa's project
- Development of the Project Preparation of the full project document is in planning stages which is slowed down due to the COVID restrictions

Economy Wide Adaptation to Climate Change (EWACC) 2015 – 2021 – GEF, \$12,322,936 (75%)

Component 1: Strategic integration of climate change adaptation and disaster risk management in national policy frameworks and development planning through an economy-wide approach

- Complete construction of Vaisigano Segment One Flood Protection Wall
- Completion of the construction of River flood protection along the Vaisigano catchment for Segment 1
- Funded minor works - drenching and deepening of waterways in catchments in the greater Apia Urban Area (Gasegase, Fuluasou. Loimata o Apaula, Fagalii Catchments) prior to the raining seasons to minimise river overflow and flooding. Phase Two of similar works in planning stages

Component 2: Enhance resilience of communities as first responders of climate change-induced hazards

- Approximately 454 beneficiaries for the improving livelihoods component in collaboration with MWCSO in progressing the ongoing environmental programme initiatives within this financial year
- The roll-out of the Community Disaster and Climate Risk Management (CDCDRM) programme with DMO and first responder agencies such as the Samoa Red Cross Society and ADRA has seen twelve (12) villages (Salani, Vailoa, Utufaalalafa, Lotopue, Saleaumua, Mutiatele, Malaela, Satitua, Ulutogia, Lalomanu, Saleapaga, Lepa) completing CDCRM in this financial year. Another 10 villages is in the pipeline for the next financial year.
- Support the 2 million Tree Planting Campaign under the Forestry Division
- Support initiatives under the Reef to Ridge project as the South-South Corporation of GEF Projects
- Facilitation of several high-level visits including regional and international delegations and donors' site-visits to project sites for their site inspections such as the official visits from the UNDP Senior Management Staff, Ms Valerie Cliff - the UNDP Deputy Regional Director for Asia and the Pacific.

Component 4: Project Management

- Technical Advisory Group quarterly meetings FY19/20
- Approval of a 12months Project Extension to November 2021
- Moderately satisfactory in performance according to the Project Implementation Report (2018/19) for this project

SUB OUTPUT 1: RENEWABLE ENERGY DIVISION

To promote Climate Change Mitigation through Energy Efficiency and Renewable Energy.

- Through the Ministry of Finance hosted the “Fourth Pacific Regional Energy and Transport Ministers meeting” (REMM) from 16th – 20th September 2019 with the theme: Sustainable Energy & Transport Services for the Blue Pacific. The Renewable Energy Division was the leader in setting up Side Events as a platform where the various experiences from around the Pacific Region were shared to assist the participants in improving the energy and transport services being offered in their respective countries.
- Chair for the Renewable Subsector under the Energy Sector hold several meetings to discuss progress on activities and projects to achieve the outcomes for the Energy Sector Plan 2017-2022.
- Work with Youth With A Mission (YWAM) and Samoa Farmers Association (SFA) to set up “Samoa Biogas Association” to provide a platform for information sharing with all those who already have biogas system as well as potential biogas owners.
- School Awareness Programs were successfully carried out for the 3rd quarter of 2019 and the 1st quarter of 2020. The National Renewable Energy Day, and school awareness was cancelled due to the measles epidemic and COVID-19 Pandemic
- On 3rd October 2019, Bio-Energy Solutions Technology (B.E.S.T) was awarded the contract for the procurement and installation of the 5 biogas systems for the selected sites; namely, Mapuifagalele, Tanumalala Prison, Salua Manono, Saasaai and Vaisala. A detailed assessment (Phase 1) of the 5 sites started in January 2020. The construction and installation of the biogas systems (Phase 2) will be carried out in the next financial year FY 20/21.

IMPRESS Project

- The IMPRESS project supported the Energy Sector Capacity Needs Assessment workshop on the 11th February 2020. This was a great opportunity for IMPRESS to be involved in identifying the capacity needs of most of the stakeholders involved in the implementation of the project
- Conducted community consultation on Energy Efficiency Regulations in Savaii on the 25th July 2019.
- Hosted a National Independent Power Producers (IPP) Consultation Workshop on 22nd August 2019. This workshop aimed to explore issues that are currently faced by the Energy Sector, in particular is the sharing of insights and experiences of the utilities, IPPs and private sector partners. Furthermore it enhanced

awareness of stakeholders on RE and DSM/EE technologies and applications in communities and knowledge on the productive and social uses of Renewable Energy. Over 50 representatives and main stakeholders from the Energy Sector attended this workshop, and witnessed presentations from government ministries such as MCIL, MOF, OOTR, EPC, SCB and of course MNRE.

- International Union for Conservation of Nature (IUCN) hosted a Plastic Waste Free Islands workshop on the 11th November 2019 at the Tanoa Hotel aiming to improve knowledge of waste generation and plastic leakage hotspots in target islands, demonstrate a measurable reduction in plastic waste generation and enhance waste disposal methods. Also to enhance adoption of plastic leakage reduction measures by the tourism, fisheries and waste management sectors as well as generating sector-specific actions plans for alternative value chains. IUCN wishes to develop a blueprint for islands, to recommend approaches to reduce plastic leakage on islands based on the strategy adopted for PWFI and lessons learned.



Afolau Biomass Gasification Plant



School Awareness Campaign

SUB OUTPUT 1: ENVIRONMENT SECTOR COORDINATION UNIT (ESCD)

“Ensure coordinated efforts amongst all stakeholders for optimum results.”

1. Sector Annual Reviews against the National Environment Sector Plan (NESP) 2017 – 2021

The Environment Sector held its sixth annual review on the 6th of November 2019. The Review included the presentation of the NESP Mid-term Review Report for the first two and half years of implementation from FYs 2016/17, 2017/18 and the first half of 2018/19.

The NESP 2017 - 2021 is a five-year sector wide programme covering five fiscal years being 2016/17, 2017/18, 2018/19, 2019/20 and 2020/21. The mid-term review of the NESP took stock of implementation and progress, achievements including key challenges and opportunities.

2. National Environment Sector Steering Committee (NESSC) Quarterly Meetings

The NESSC convened three meetings during the financial year as follows:

- 23 October 2019 (July – September 2019)
- 2 March 2020 (October – December 2019)

No meetings held in the second half due to COVID SOE Restrictions.

3. Quarterly Sector Progress Reports produced and tabled at NESSC Meetings - Two sector quarterly reports were compiled and tabled at the two quarterly meetings of the NESSC on the 23rd October 2019 and 2 March 2020.

4. NESSC Site Visits - No site visits conducted during the period due to the Measles outbreak in December 2019 and Covid-19 Restrictions imposed in March 2020.

5. Sector Wide Coordination

(a) NGOs Forum

The Sector hosted a Forum for Environment NGOs on the 7th November 2019 as part of the National Environment Week 2019. The purpose of the forum was to strengthen engagement with environment NGOs and other partners by creating an annual platform to facilitate sharing of information and lessons learned.

Presentations were made by the following NGOs and Business Partners:

Session 1: Environment Civil Society Organizations

- Sir. Walter Vermeulen, Matuaileoo Environment Trust Inc. (METI)
- James Atherton, Samoa Conservation Society (SCS)
- Papaliitele Caroline Ah Chong, Faataua le Ola (FLO)
- Mataafa Faatino Utumapu, Nuanua ole Alofa (NOLA)

Session 2: Ecosystem based Adaptation (EbA) Enterprises

- Tofilau Fiti Leung Wai, Samoa Stationary and Books (SSAB) – Take Back Initiative
- Marina Sua Keil, Samoa Waste Recycling Management Association (SWRMA),
- Tuatagaloa Joe Annandale, Poutasi Development Trust (PDT)

Session 3: Partnerships

- Karen Anaya, Programme Coordinator, Caritas Samoa
- Lilomaiava Filifilia Iosefa, GEF Small Grants Programme and UNDP Samoa Office
- Tomasi Peni, ILO Coordinator, International Labor Office (ILO) Head Office
- Francella Strickland, ACEO International Relations, Ministry of Foreign Affairs and Trade (MFAT)

(b) Oceans Accounts

The MNRE and SBS with the support of UNESCAP are working closely to develop Samoa's Oceans Account. The first phase of the project has completed with the development of Samoa's Tourism Satellite Account in close collaboration with STA. The second phase of the Pilot is underway with additional support from the Australian Department of Environment. The pilot extension will further develop Samoa's waste account to determine how much waste is generated by the tourism industry.

(c) Agriculture Sector – SPO 4

MNRE through the ESCD chairs quarterly meetings of the Agriculture Sector's Policy Objective 4 (SPO4) Working Group on sustainable agricultural and fisheries resource management practices, climate resilience and disaster relief efforts. As part of this role, MNRE reports to the Chair of the Agriculture Sector Steering Committee on a quarterly basis.

(d) Other coordination work includes:

- SDGs 2nd VNR
- DHS Multiple Indicator Cluster Survey
- SDS consultations

6. National Environment Sector Communication Strategy

With financial support from SPREP under its INFORM Project, the Ministry recruited a consultant to develop the Sector's Communications Strategy. A number of stakeholder consultation workshops were held in addition to one-on-one sessions, desktop review and a knowledge, attitude and practice (kap) survey. The final draft of the strategy is now in place with a series of validation exercises involving stakeholders and MNRE to finalise the strategy. The strategy is scheduled to be launched in the next financial year.

7. National Environment Week 2019, 4 – 8 November 2019

The Commemoration of the National Environment Week was held from 4th – 8th November 2019 with the theme “National Resilience through Environmental Sustainability – An Integrated Approach”. The following programme includes all the events that were conducted during the one week celebrations.

8. Green Climate Fund Project Activity 2.2 Implement ecosystem responses upstream for decreased flows during extreme weather events (MNRE Component) Total Budget for Activity 2.2: USD\$8,804,700

Completed recruitment of two new staff; Cash for Work Officer and Environmental Planning Officer to assist with the implementation of MNRE Component under GCF Project.

Component 1: Implementation of the Cash for Work (CfW) Programme

- 35 field assistants; 15 are under Division of Environment and Conservation (DEC), 10 under Water Resources Division (WRD) and 10 under Forestry Division (FD) continued field works for the Vaisigano Catchment Area. Main responsibilities include the removal of invasive species as part of the land preparation works, seedling collection and propagation, and nursery maintenance in support of rehabilitation works in the Vaisigano Catchment area.
- The CfW Programme also supported the 2 Million Tree Campaign 2015-2020 and the Ministry’s Waste Minimization Initiatives;
- Supported the Save the Manumea Campaign 2019-20 through the painting of the Manumea Mural and ‘Save the Manumea’ awareness posters;
- Completed 1 follow-up monitoring survey for the invasive water lettuce plant around the VCA and Upolu areas;
- Supported commemoration of the Environment Week 2019 through the procurement of promotional materials; reusable bottles, t-shirts, bird, butterfly and reptile posters and booklets as educational materials for schools who attended; and
- Supplied 160 wheelie trash bins, 9 segregation cages and awareness materials (posters and bus decal “Ban Plastics” on bus traveling within Vaisigano area) for the

Waste management purposes in the VCA and CBD area.



GCF CfW Seedling propagation at Vailima

Component 2: Implementation of the Payment for Ecosystem Services (PES) Programme

- MNRE recruited Live & Learn Environmental Education (LLEE) through UNDP to implement the PES Full Feasibility, Design and Implementation work on April 23rd 2020.

Component 3: Implementation of the Ecosystem based Adaptation Enterprise Development (EbAED) Programme

- CSSP and SBH (formerly known as SBEC) are key stakeholders for the EbAED Program. The program started with the first call for proposals (CfP) which closed in June of the last FY. A total of 195 proposals were approved out of 330 proposals received.
- CSSP recruited three new GCF positions (2 Project Officers and 1 Finance & Administration Officer) to assist with the delivery of the EbAED Programme.



Figure GCF Site Visitation at Vanilla Farm at Vaiala

OUTPUT 2: MINISTERIAL SUPPORT

“Provide secretarial and administrative support to the Minister”

Extracted from the Ministry Budget Full Year Review submitted to the Ministry of Finance (FY2019/2020) for all Outputs

| Performance Indicator | Target | Progress | Comments |
|---|-------------|------------------------|--|
| Number of High Level Meetings attended by the Minister / (Associate Minister). | 20 | Incomplete | SOE Restrictions |
| Number of MNRE Boards Meetings facilitated (Forestry, Land Board, Water Board, Geographic Name Board) | 24 | Completed/ Achieved | |
| Ministerial Advisory Committee meetings (Upolu and Savaii) | 24 meetings | Completed/ Achieved | 24 Minister Advisory Committee monthly meetings (12Upolu & 12 Savaii), The local visit was scheduled for Savaii and Upolu is postponed for the next FY due to other activities |

Administrative Services

Support services provided during the year include:

- Arranged appointments by the public and officials
- Weekly de-briefing sessions with the CEO
- Minister’s Board Meetings;
- Attend to clients request via correspondences, or in-person
- Official correspondences
- Cabinet submissions reviewed and signed
- prepared and submitted for the Minister
- Arranged Minister’s official trips and inspections;
- Prepared and arranged Minister’s official functions;
- Arranged overseas trips for ministerial meetings and international conventions, these included COP meetings, regional and international meetings



Samoa presents SDG update via video link UN HOUSE TUANAIMATO

| Summary of Meetings | |
|---|----|
| Number of briefings conducted with the CEO/ Management | 15 |
| Number of Board Meetings (5 Board) + Special Meetings (8 LMD) | 10 |
| Number of International and Regional Conferences attended by the Minister/ Associate Minister | 2 |
| National Events officiated by the Minister | 2 |



The River Protection Rock Wall at Lalomauga. Deputy Prime Minister, Fiame Naomi Mataafa carried out the ribbon cutting of the ceremony.

| List of Official Meetings |
|--|
| International Renewable Energy Agency – IRENA, Abu Dhabi |
| Our Ocean Conference, Oslo Norway |



The issuing of Surveyors Licence and Annual Practicing Certificates under the (Spatial Information Agency division



The CDC delegation included Cabinet Ministers, who are stakeholders in the planning, funding and implementation phases of government’s development projects with the Ministry of Finance as the lead agency

OUTPUT 3: LAND MANAGEMENT

“To facilitate and implement sustainable land management practices and administration of land and land-based resources.”

Extracted from the Ministry Budget Full Year Review submitted to the Ministry of Finance (FY2019/2020) for all Outputs

| Performance Indicator | Target | Progress | Comments |
|---|------------------|--------------------|---|
| Number of applications for government land leases, land taken for public purposes and reclamations approved by Land Board. | 225 | Completed/Achieved | 127 applications submitted requesting for government land lease including issues about government land. There were 69 out of 127 were table in land board. There were 9 cases for land taking and 8 reclamation already approved. |
| Number of application for valuation processed and approved | 110 | Completed/Achieved | 185 Valuation recorded including 3 compensaton and 2 Land Board cases |
| Number of instruments registered and approved which complied with the Land Titles Registration Act 2008. | 2200 instruments | Completed/Achieved | Total number of Approved & Registered Instruments for the FY 2019-2020 is 2,194. Baseline has been achieved (i.e. 2000) with a minimal fallout from the targeted number of registered instruments for this Financial Year. |
| Number of Land claim applications reviewed and approved | 6 claims | Completed/Achieved | A total of 6 land claims received and the advertizement of the claims completed in this financial year, with 5 pending cases awaiting proceedings & Chairmain's (Chief Justice) decision, as well as other parties are leaving overseas. |
| Number of burial plots allocated/maintained | 70 | Completed/Achieved | Ninety one (91) applications approved. Tafaigata 58 appliation, Vaialele 24 application, Magiagi 5 application and Tufuiopa 4 application. |
| Citical landscapes under conservation/rehabilitatio n measures through integrated SLM practices | 20 pilots | Completed/Achieved | All 20 pilots achieved subject to the successful completion of the SMSMCL Project in April 2020 |
| Numberof stamp duty applications processed and approved | 450 | Completed/Achieved | A total of 727 transfer instrument presented to the ministry for stamping |
| Numberof applications for sandmining, scoria mining, sea reclamations and applications for temporary use of government land for billboards,banners and stalls processed and approved. | 150applicat ions | Incomplete | A total of approximately 42 stalls processed and approved, about 14 reclamations applied and only 8 approved. Sandmining is about 80 applicants also approved cases. Billboards are about 2 billboards approved. This review platform also serves to note that since the last financial year, there has been a severe reduction in the number of stalls, sandmining, and reclamations submitted due to number of bans now imposed on land development activities due to policy restrictions to curb or control numerous unsustainable and illegal land activities in and around the urban and rural areas of the country. |
| Numberof applications for custmary land leases and licenses processed and approved | 25 | Completed/Achieved | We received a total number of 26 new leases which consist of 18 in Upolu and 8 from Savaii |
| Number of consultations conducted with community on promoting economic use of customary lands | 5 | Incomplete | There were no consutations conducted since June 2019 until now. The Commission was waiting for the Amendments of the Leasing and Licensing Act to be approved first, then go the community to consult them accordingly. Although the Amendments approved, the consultations suspended because of the measles and Covit 19.. So, now there is a plan to do consultations with Sui Pulenuu ans Sui Tama'ita'i o nuu next month at Tooa Salamasina Hall. |
| Number of UNCCD NAP/LDN Projects and Programme National Initiatives | 4 | Completed/Achieved | There has been several UNCCD NAP/LDN project activities undertaken in terms of LDN national consultations and LDN working group workshops during the last financial year. There were also several SLM project activities and SLM awareness during the Land & Soil week 2019 in the month of July as well as significant awareness and on the ground visible SLM activities during the SMSMCL project lifetime which successfully ended and concluded in April 2020 |
| Land Day National | 1 | Completed/Achieved | Land Week Commemoration focusing on soils and promotion of SLM Practices through sustainable agriculture and land-based resources |

3.1 CUSTOMARY LAND LEASE SECTION

Table 1: Revenue from the 5% Commission in Leasing Customary Land and other services for period 2018 – 2019 compared to 2019 – 2020

| Year 2018 | | Year 2019 | |
|-------------------------------|--------------------|-------------------------------|--------------------|
| Months | Revenue | Months | Revenue |
| July | \$18,111.78 | July | \$18,014.12 |
| August | \$5,584.29 | August | \$7510.15 |
| September | \$4,245.63 | September | \$4295.63 |
| October | \$6,794.74 | October | \$6794.74 |
| November | \$3,570.00 | November | \$5567.00 |
| December | \$5,561.59 | December | \$6561.59 |
| Total | \$43,868.03 | Total | \$48,743.23 |
| Year 2019 | | Year 2020 | |
| Months | Revenue | Months | Revenue |
| January | \$3,988.93 | January | \$3988.93 |
| February | \$4,916.99 | February | \$4916.49 |
| March | \$2,569.45 | March | \$2569.45 |
| April | \$4,971.95 | April | \$4975.95 |
| May | \$15,859.42 | May | \$12,842.50 |
| June | \$15,859.42 | June | \$5239.68 |
| Total | \$37,221.42 | Total | \$34,533.23 |
| GRAND TOTAL: 2018-2019 | \$81,089.45 | GRAND TOTAL: 2019-2020 | \$83,276.23 |

There is an increased observed for this financial year due to the two additional new leases as shown in Table 2 below.

Table 2: New Leases

| Types of Lease | FY 2019/20 | | |
|---------------------------|------------|----------|-----------|
| | Upolu | Savaii | Total |
| Bluesky | - | - | - |
| Digicel | 1 | - | 1 |
| LDS | 2 | 2 | 4 |
| AOG | 2 | 1 | 3 |
| SDA | 2 | 1 | 3 |
| Individual Business | 1 | 2 | 3 |
| Gov. Ministries | 2 | - | 2 |
| Hotels | 2 | - | 2 |
| SWA | 7 | - | 7 |
| Total – FY 2019/20 | 19 | 6 | 25 |
| Total – FY 2018/19 | 16 | 7 | 23 |

A slight increase in the number of new leases are observed in this financial year compared to last year as per indicated from table above.

3.2 GOVERNMENT LAND LEASE SECTION

Table 3: Land Board Meetings 2019-2020

| FY 2018-2019 | # New Application Tabled | # of Application Approved | # of Land Taking | # of Application Deferred |
|--------------|--------------------------|---------------------------|------------------|---------------------------|
| Total | 127 | 69 | 9 | - |

Table 4: Revenue Collected from Burial plots 2019-2020

| LOCATION | REVENUE | |
|--------------|------------------|------------------|
| | 2018-2019 | 2019-2020 |
| Tafaigata | 10,800.00 | 19,200.00 |
| Vaiale | 4,200.00 | 8,400.00 |
| Maagiagi | 1,500.00 | 1,200.00 |
| Tufuiopa | 600.00 | 1,500.00 |
| TOTAL | 17,100.00 | 30,300.00 |

Table 5: Revenue from government land leases

| SUMMARY | TOTAL | |
|--------------------|-----------------------|---------------------|
| | 2018 -2019 | 2019 - 2020 |
| Aleisa | 155,068.00 | \$89,370.00 |
| Tanumalala | 31,261.00 | \$29,989.00 |
| Nuu | 2,500.00 | \$3,585.00 |
| Toomatagi | 100.00 | \$5,600.00 |
| Afiamalu | 7,499.56 | \$16,107.00 |
| Tiavi | 200.00 | \$1,648.00 |
| Laloanea | 48,300.00 | \$26,200.00 |
| Motootua | - | \$3,200.00 |
| Apia Park | 7,750.00 | \$7,560.00 |
| Reclamations | 33,490.00 | \$91,190.00 |
| Miscellaneous | 788,676.11 | \$288,837.55 |
| Other Fee (tender) | 8,428.30 | 0.00 |
| Paper Work | 2,000.00 | \$1500.00 |
| Total | \$1,084,877.97 | \$563,286.55 |

About half a million has been reduced of revenue earned from this lease activity. The main reason being the COVID 19 disruption on the smooth collection of lease rents from lessees.

Table 6: Summary of Total Revenue from Government Land Leases

| Summary of Government Land Revenue | | TOTAL |
|------------------------------------|----------------|---------------------|
| 1 | Lease Payments | 563,286.55 |
| 2 | Burial Plots | 30,300.00 |
| | TOTAL | \$593,586.55 |



National LDN Stakeholders Validation workshop



3.2 LAND DEVELOPMENT SECTION

Table 7: Revenue from Sandmining Activity

| MONTHS | Stakeholders | | | |
|--------|--------------|------------|-------------|------------|
| | Commercial | Individual | Commercial | Individual |
| | 2018-2019 | | 2019-2020 | |
| July | 8400.00 | 140.00 | 2500.00 | 75.00 |
| Aug | 200.00 | 65.00 | 5,500.00 | 110.00 |
| Sept | 0.00 | 170.00 | 0.00 | 1,200.00 |
| Oct | 0.00 | 155.00 | 0.00 | 1,200.00 |
| Nov | 5,500.00 | 180.00 | 5,100.00 | 505.00 |
| Dec | 300.00 | 30.00 | 0.00 | 50.00 |
| Jan | 1,500.00 | 330.00 | 0.00 | 300.00 |
| Feb | 3,000.00 | 0.00 | 0.00 | 0.00 |
| Mar | 2,500.00 | 50.00 | 1,000.00 | 60.00 |
| Apr | 3,000.00 | 860.00 | 5,000.00 | 50.00 |
| May | 0.00 | 50.00 | 5,300.00 | 850.00 |
| June | 0.00 | 0.00 | 0.00 | 375.00 |
| Total | \$24,400.00 | \$2,030.00 | \$24,400.00 | \$3,085.00 |

Table 8: Comparison Summary of Total Sandmining Revenue between the last two Financial Years

| Financial Year | Stakeholder type | Sub-Total | Grand Total |
|----------------|------------------|-----------|-------------|
| 2018 -2019 | Commercial | 24,400.00 | \$26,430.00 |
| | Individual | 2,030.00 | |
| 2019 – 2020 | Commercial | 24,400.00 | \$27,485.00 |
| | Individual | 3,085.00 | |

The table of revenue for sandmining reflects that commercial earnings for both years are of same amount with only a slight increase by a \$1,000.00 in this financial year from individual operators. It indicates that the COVID 19 did not significantly impact the revenue this year at all.

Table 9: Revenue Collected from Billboards and Signages on Government lands

| Financial Year | No. of Permits/ License Issued | Total Amount |
|----------------|--------------------------------|--------------|
| 2018-2019 | 1 | \$400.00 |
| 2019-2020 | 3 | \$1,500.00 |

The Billboards revenue managed to bring in \$1,500.00 for 3 signs mainly from Siva Afi.

Table 10: Reclamation Activity Revenue

| MONTHS | Permit Issued per Financial Year | | | |
|--------|----------------------------------|------------|-----------|------------|
| | 2018-2019 | | 2019-2020 | |
| July | 0 | 0.00 | 0 | 0.00 |
| Aug | 0 | 0.00 | 0 | 0.00 |
| Sept | 5 | 2,500.00 | 0 | 0.00 |
| Oct | 1 | 500.00 | 0 | 0.00 |
| Nov | 2 | 1,000.00 | 1 | 500.00 |
| Dec | 0 | 0.00 | 0 | 0.00 |
| Jan | 0 | 0.00 | 2 | 1,000.00 |
| Feb | 1 | 500.00 | 1 | 500.00 |
| Mar | 0 | 0.00 | 2 | 1,000.00 |
| Apr | 1 | 500.00 | 0 | 0.00 |
| May | 0 | 0.00 | 1 | 500.00 |
| June | 0 | 0.00 | 1 | 500.00 |
| TOTAL | 10 | \$5,000.00 | 8 | \$4,000.00 |

A slight drop in revenue earned for this year due largely to the disruption of the COVID 19 lockdown in the first half of this financial year.

Table 11: Stalls Activity Revenue

| MONTHS | Permit Issued per Financial Year | | | |
|--------|----------------------------------|------------|-----------|------------|
| | 2018-2019 | | 2019-2020 | |
| July | 6 | 510.00 | 3 | 385.00 |
| Aug | 10 | 1,000.00 | 7 | 490.00 |
| Sept | 5 | 780.00 | 0 | 0.00 |
| Oct | 2 | 45.00 | 3 | 500.00 |
| Nov | 1 | 550.00 | 0 | 0.00 |
| Dec | 8 | 2,215.00 | 0 | 0.00 |
| Jan | 0 | 0.00 | 1 | 80.00 |
| Feb | 0 | 0.00 | 4 | 300.00 |
| Mar | 3 | 170.00 | 2 | 180.00 |
| Apr | 6 | 150.00 | 0 | 0.00 |
| May | 8 | 1,570.00 | 0 | 0.00 |
| June | 8 | 145.00 | 0 | 0.00 |
| TOTAL | 57 | \$7,135.00 | 20 | \$1,935.00 |

A major drop in revenue collected is observed for this current financial year 2019/2020 compared to the previous financial year 2018-2019. The main reason for this huge loss is attributed to the banned areas of the waterfront place from vendor activities except for Mulinu'u and Malaefatu which barely attract daily vendors. So much less demand from this business activity is experienced in this financial year.

3.4 LAND REGISTRATION SECTION

The Land Registration Section received 2,255 legal instruments within this financial year 2019-2020, and successfully registered/achieved 2,254 instruments. A total of 88 instruments were carry forward from 2018/2019FY, being instruments that were non-compliant with the LTRA 2008. This amounted to a total of 2,243 documents received for registration, whereby 21 documents were cancelled and 83 are being rolled over to new fiscal year and requisitioned by the Registrar of Lands due to non-compliance with the LTRA 2008. In terms of Internal Registration Services, a total of 282 cancelled & termination services were registered for interests that were to be removed from the computer system and were exclusive of registration fees. Additionally, the Record Services such as easements, memorials, proclamations and

Registrar's memorials totaled up to 20 with 7 land titles varied to different estate type. 36 titles were converted from the manual land register to the current computerized system, with 1,163 new titles created within this fiscal year.

Total number of Power of Attorneys lodged and registered is 48. The purpose of this service, however, is not limited to land matters, but is generally registered for other purposes. Revenue collected from is \$4,800.00.

For land search services and A3 & A4 copies made, together with Official Registration Forms/Instruments released, a total of 6,209 were recorded and paid for by both the community and Law Firms.

The total revenue earned by the Land Registration Section throughout this 2019-2020 fiscal year, registration instruments amounts to a total of \$225,500.00 reflecting the 2,255 instruments received, \$4,800.00 earned from Power of Attorneys, and \$30,816.00 for official search & copies services. This tallies revenue earned through the Land Management Division by its Land Registry Section to a total of \$261,116.00

Table 12:: Documents/Instruments for Registration for FY 2019/2020

| Nature of Instrument | Lodge 2019/2020 | Carry Forward 2018/2019 | Total | Registered 2019/2020 | Cancelled | In Progress | Requisition 2019/2020 |
|------------------------------|-----------------|-------------------------|-------------|----------------------|-----------|-------------|-----------------------|
| Transfer | 760 | 20 | 780 | 752 | 6 | 1 | 25 |
| Mortgage | 613 | 16 | 629 | 616 | 3 | 3 | 12 |
| Discharge of Mortgage | 516 | 3 | 519 | 514 | 5 | 1 | 2 |
| Variation of Mortgage | 47 | 1 | 48 | 47 | 0 | 1 | 1 |
| Transmission | 86 | 5 | 91 | 88 | 1 | 0 | 4 |
| Miscellaneous | 8 | 1 | 9 | 5 | 3 | 0 | 1 |
| Record Caveat | 35 | 1 | 36 | 31 | 0 | 1 | 8 |
| Lease Customary Land | 6 | 0 | 6 | 6 | 0 | 0 | 0 |
| Lease Government Land | 32 | 4 | 36 | 36 | 0 | 0 | 0 |
| Lease Freehold Land | 86 | 5 | 91 | 90 | 0 | 0 | 1 |
| Variation of Lease | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| Unspecified Lease | 5 | 24 | 29 | 2 | 3 | 0 | 27 |
| Unspecified Lease | 5 | 24 | 29 | 2 | 3 | 0 | 27 |
| Termination of Lease | 15 | 7 | 22 | 20 | 0 | 0 | 2 |
| Assignment of Lease | 2 | 0 | 2 | 2 | 0 | 0 | 0 |
| Change Right or Restrictions | 24 | 0 | 24 | 24 | 0 | 0 | 0 |
| Removal of Caveat | 19 | 1 | 20 | 20 | 0 | 0 | 0 |
| Total | 2255 | 88 | 2343 | 2254 | 21 | 7 | 83 |

Table 13: External Services

| Revenue from Registration Applications 2019/2020 | | |
|--|-------------------|----------------------|
| Instruments | Document Received | Revenue |
| Transfer | 760 | 76,000.00 |
| Mortgage | 613 | 61,300.00 |
| Discharge of Mortgage | 516 | 51,600.00 |
| Variation of Mortgage | 47 | 4,700.00 |
| Transmission | 86 | 8,600.00 |
| Miscellaneous | 8 | 800.00 |
| Record Caveat | 35 | 3,500.00 |
| Lease Customary Land | 6 | 600.00 |
| Lease Government Land | 32 | 3,200.00 |
| Lease Freehold Land | 86 | 8,600.00 |
| Variation of Lease | 1 | 100.00 |
| Unspecified Lease | 5 | 500.00 |
| Termination of Lease | 15 | 1,500.00 |
| Assignment of Lease | 2 | 200.00 |
| Change Right/Restrictions | 24 | 2,400.00 |
| Removal of Caveat | 19 | 1,900.00 |
| Total | 2255 | \$ 225,500.00 |

Table 14: Revenue from Internal Services: Searches & Registration Forms FY 2019-2020

| Revenue from Registration Applications 2019/2020 | | |
|--|--------------|--------------------|
| Services | Amount | Revenue |
| Searches & Copies | 4,749 | \$23,411.00 |
| Registration Forms | 1,460 | \$7,300.00 |
| Total | 6,209 | \$30,816.00 |

Table 15: Internal Services for Updating Registration

| Official Service for Updating Registration | |
|--|--------------|
| Description of Service | Total |
| Cleaning and Updating Land Information | 239 |
| Registrar Instruments | 20 |
| Conversion from Manual Register to Computer Register | 36 |
| Change Estate Type | 7 |
| Created New Computer Folio | 1,163 |
| Total | 1,465 |

Table 16: Summary of Total Revenue from Land Registration Services

| Type of Registration Services | Total Number | Amount |
|-------------------------------------|--------------|--------------|
| External Services (Outside Clients) | 2,255 | \$225,500.00 |
| Internal Services (MNRE) | 6,209 | \$ 30,816.00 |
| Power of Attorney | 48 | \$ 4,800.00 |

3.5. LAND VALUATION SECTION

Table 17: Valuation work and revenue

| Valuation Tasks | Total No. | Total Revenue |
|---|-----------|---|
| Individuals | 163 | \$60,786 |
| Public Trust Office | 15 | \$9,000 |
| Compensation valuation (as per Taking of Land Act 1964) | 6 | These are considered official valuation works |
| Official Works (Land Board request) | 1 | |
| Total Valuation work | 185 | \$69,786 |
| <i>Additional information</i> | | |
| APC – registered valuers @ \$250 | 7 | \$1,750 |
| TOTAL | | \$71,536 |

Table 18: Stamp duty work and revenue

| Instrument(s) | Number of Instruments | Total Revenue |
|---------------|-----------------------|----------------|
| Transfer | 727 | \$2,624,580.67 |

Table 19: Valuation Revenue

| | |
|----------------------|-----------------------|
| Valuation work | \$71,536 |
| Stamp Duty | \$2,624,580.67 |
| Total Revenue | \$2,696,116.67 |

3.6 Land Commission Section

Land Commission continues to ensure that all land matters are well managed and properly taken note of or carefully recorded for decision-making and endorsement of the members of the Land Commission at the Court.

Table 20: Revenue Collected from claims lodged by the Claimants to the Land Commission for Investigation 2019-2020 compared to 2018/2019

| | Revenue 2018/2019 | | LOCATION | Revenue 2019/2020 | |
|--|--------------------------|--|---|-------------------|--|
| | Claims/\$500 | Objections/\$500 | | Claim/\$500 | Objection/\$500 |
| 4 Claims from Saina: i. Claim 140. ii. Claim 141. iii. Claim 142. iv. Claim 143. v. Claim 144. vi. Claim 145. vii. Claim 146. | 7 Claims @ \$500.00 each | 1 Objection for Claim 140 1 Objection for Claim 141 | 1 Claim – Instructed by Court to be re-advertised; the said Land is called Tuvao at Leauvaa | - | 3 Objections per Claim @ \$500.00 each |
| Total revenue from Claims | 3,500.00 | 1000.00 | Total revenue from Claims | - | 1,500.00 |
| Total Revenue 2018/2019 | | <u>\$4,500.00</u> | Total Revenue 2019/2020. | | <u>\$1,500.00</u> |

Table 21: Summary of Total Revenue collected by Land Management Division (LMD) FY 2019-2020

| LMD Section | Total Revenue per Section | Total Revenue Collected by LMD | Annual Revenue Target Achieved/Not Achieved? |
|----------------------------|---------------------------|--------------------------------|---|
| 3.1 Customary Land Leases | 83,276.23 | \$ 3,666, 015.45 | LMD's revenue target for this financial year is between 3 and 4million. The annual target of 5million unfortunately was not achievable in this financial year due to significant factors such as mainly the side-effects of the COVID 19 lockdown and related issues. |
| 3.2 Government Land Leases | 593,586.55 | | |
| 3.3 Land Development | 34,920.00 | | |
| 3.4 Land Registration | 261,116.00 | | |
| 3.5 Land Valuation | 2,696,116.67 | | |

OUTPUT 4: SPATIAL INFORMATION AGENCY

“To provide quality assurance, survey and spatial information services to support the sustainable development and management of natural resources and the environment.”

Extracted from the Ministry Budget Full Year Review submitted to the Ministry of Finance (FY2019/2020) for all Outputs

| Performance Indicator | Target | Progress | Comments |
|--|---------------------------|------------------------|---|
| Number of survey plans received for examinations | 160 survey plans | Completed/ Achieved | 234 Survey Plans Received, lodged, completed examination 161 Plans approved and 73 survey Plans return to surveyor for requisitions. Completed/achieved an on going |
| Number of survey plans approved and comply with the Survey Act 2010 and Survey Regulation 2011(scanning and recording on the Digital Cadastral Database (DCDB/SOLA system) | 160 approved survey plans | Completed/ Achieved | 161 Survey Plans approved scanning and recording on SOLA on going |
| Number of surveys directed by Land Board and the Ministry | 8 | Completed/ Achieved | 9 survey requested by the Land Board and only 7 completed, 2 should be approved by the start of July 2020. |
| Number of surveys requested by Land and Titles Court completed | 7 | Completed/ Achieved | All survey works are now done by the Private Surveyors. 2 tenders process to survey the boundaries of Atua District are completed. |
| Number survey investigations and inspecitons | 3 | Completed/ Achieved | 1.Investigation of Australian and Chinese Embassy at Vailima on Plan 10556 meeting and consultation done decision agreed by parties. 2.Legal access way ROW lot 2740 Plan5784 at Vaivase uta completed investigation and result was done and letters sent to informed them.3. Neighbourhood fench encroached onto the neighoring property at Papaloloa investigation done and refer to PUMA . |
| Number of maps produced and sold both public and government ministries | 20 | Completed/ Achieved | More than 20 maps has been produced and sold to external client and for requested job from our internal divisions. |
| Number of determinations approved by Geographic Names Board | 30 | Completed/ Achieved | 31 road names approved by the Geographic Names Boad within this FY2019-2020 |
| License request for Lidar Data | 25 | Incomplete | This indicator is the same with the one below. |
| Number of Spatial data License Agreement signed and released | 4 | Completed/ Achieved | 2 License Agreement has been signed and relaeased data, 2 set of selected spatial datased requested by our internal has been relased for their acitities. |
| Number of delimitation Maritime Boundary for Samoa's EEZ | 1 delimitation | Completed/ Achieved | It is still an ongoing process, but overall at this FY, 1 delimitation boundary has been initially signed, 2 other boundaries were on discussion, all four countries has been exchanged their datasets. |

4.1 SURVEY SERVICES

Survey Section execute all survey work requested by the Land Board, Divisions of the Ministry and any other works approved by the Minister or the CEO. Survey Section also responsible for inspection and investigation survey required by the Ministry and surveys executed by private Surveyors.

Geodetic Control Network

Survey Section is also responsible for the establishment, maintenance and upgrading of Geodetic Control Network. The networks consist of the horizontal and vertical datum. It is the framework or backbone of all surveys in Samoa. For this financial year, there is small percentage of work completed due to shortage of staff and other urgency work that required our services.

Spatial Data Infrastructure

There are two Global Navigation Satellite System (GNSS) located at Faleolo and Fagalii airport which was known by the name Continuous Global Position System Stations (CGPS). The Survey Section is also responsible for the maintenance of both stations.

Fagalii GNSS station is to monitor climate change and Sea Level Rise in the region and it is the effort and collaboration by Geoscience Australia (AusAid) and Samoa Government.

Faleolo GNSS station was installed in 1996 and it is a research project initiated by the University of Hawaii and in collaboration with the Institute of Geological and Nuclear Science of New Zealand and the Government of Samoa. This project is to monitor the crusty movements of tectonic plates of the South West of the Pacific Region. The data collected is relayed weekly to New Zealand for analyzing and provide yearly reports for enabling decision making.

Issuance of Surveyors License and Annual Practicing Certificates

This financial year, two (2) new surveyors issue their license to become register surveyor in Samoa. So this make the total of eight (8) annual practicing certificates issued to private surveyor in the private sector, one (1) issued to Land Transport Samoa Land Corporation (SLC) surveyor and three (3) issued to the Ministry surveyors. The following are the registered licensed Surveyors in Samoa.



Registered licensed Surveyors in Samoa.

| | | |
|----|--------------------------------------|------------------|
| 1 | Tuala Piki Tuala | Private Surveyor |
| 2 | Manu'alesagalala Lemalu Enokati Pelo | Private Surveyor |
| 3 | Galuvao So'oalo Viliamu Sepulona | Private Surveyor |
| 4 | Seve Keilani Soloi | Private Surveyor |
| 5 | Alaiasa Sagalala Salanoa | Private Surveyor |
| 6 | Seiuli Ueligitone Seiuli | Private Surveyor |
| 7 | Safuta Toelau Iulio | MNRE |
| 8 | Asi Vitaoa Peleiupu Fuatai | MNRE |
| 9 | PesetaTupai Eseta Maualaivao | Private Surveyor |
| 10 | Levei Tanoi Auelua | LTA Surveyor |
| 11 | Tuala Petania Tuala | MNRE |
| 12 | Ataataotaulelei S. Salanoa | Private Surveyor |
| 13 | Safiu Fenika Oloapu | SLC Surveyor |

Within this financial year, the survey section performed extremely well to achieve its target and completed most survey requests by the Ministry and the Government within its agreed timeframe. The services are provided in accordance with Survey Act 2010, Survey Regulations 2011 and Ministerial Policies off land related matters.

4.2 SURVEY QUALITY ASSURANCE

Provide services to the public and to support the Registration of Lands and various parts of the Ministry in graphical presentation of cadastral boundaries, indexing of Land Survey informations on Record & Cadastral Maps. Issuance of Field Books, receiving and examination of all Survey Plans lodged by Licensed Surveyors. Scan and Record all approved plans on SOLA system. And also, updating maintenance of Solution for Open Land Administration (SOLA) System

Work executed within

| Work execute | Status | Number of Lots | Combined Areas(hectares) |
|--------------------------------------|---------------------------------------|------------------|--------------------------|
| Redefinition Survey | 4 requests 4 completed | 6 lots | 9.0867ha |
| Subdivision Survey and others | 5 requests 3 approved 2 ongoing | 17 lots | 17.3432ha |
| Established of new survey point(GPS) | 20 requests 20 completed | 40 Survey Points | |
| Land and Titles Court | 1 request 1 completed | | |

Revenue from License and GPS hire

| Revenue collected | No. | Fee | Total |
|--|-----|-------|----------------|
| Surveyors Annual Practice Certificates | 8 | \$200 | \$1,700 |
| | 1 | \$100 | |
| Hire of GPS equipments (Established of new marks for horizontal network) | 13 | \$200 | \$2,900 |
| | 1 | \$300 | |
| | | | \$4,600 |

Revenue collected July 2019 - June 2020

| OUTCOME | OFFICIAL | RECEIPT | COST |
|-----------------------|----------|-------------|-------------|
| Plan Examination fees | \$505.50 | \$19,311.50 | \$19817.00 |
| Field Books | - | \$ 1000.00 | \$ 1000.00 |
| Total | | | \$20,817.00 |

- Provide assistance to schools for their internal assessment by sharing reliable and accurate geospatial information required.
- Provide assistance to villages in consultation and mapping work.
- Carried out GIS and Technical work for the delimitation of our National Maritime Boundary.

Revenue collected: FY 2019-2020.

| | OFFICIAL | RECEIPT | TOTAL |
|--|-------------|------------|-------------|
| Maps produced in hardcopies/electronic-copies including License Agreement for spatial dataset. | \$10,362.00 | \$1,370.00 | \$11,732.00 |

4.3 NATIONAL MAPPING

The National Mapping Services is responsible for the production of the National Based Map for the entire Nation of Samoa. One of its core functions is to update and revise all the geospatial dataset/GIS layers which were used for the production of the National Topographical Maps of the whole country. It also provides technical services and the application of GIS on various fields if needed by the ministry, external ministries and private organization. We can also provide public access to high quality and reliable geospatial datasets and information to assist and support Government and Private Organization decision makers, for a sustainable management of our natural resources and environment.

1. Functions and Spatial Data of National Mapping Section.

- Update and revise all the geospatial data layers both natural and man-made resources for the production of the National Topographical Map of the Nation.
- Produced various thematic maps from aerial photography & satellite imagery.
- Processing of License Data Agreement for geospatial dataset sharing (License Agreement)
- Provide assistance to other divisions, projects within the ministry and other stakeholders for application of geographic information system work and offering reliable geospatial data/information.
- Update various database of all spatial data layers,(GIS layers).
- Provide assistance to the National Geographic Names Board for meeting preparation and mapping work for proposed and naming of roads and reserves.



OUTPUT 5: ENVIRONMENT AND CONSERVATION

“To implement sustainable development and management of biological resources and the environment including waste management

Extracted from the Ministry Budget Full Year Review submitted to the Ministry of Finance (FY2019/2020) for all Outputs

| Performance Indicator | Target | Progress | Comments |
|--|--------|--------------------|---|
| Number of awareness and educational programs for Biodiversity conservation and Waste Management | 25 | Completed/Achieved | Completed a total of 52 awareness and educational programmes for communities, schools and other stakeholders in the form of presentations, site visits and consultations i.e: - 39 on biodiversity and ecosystems conservation/management (terrestrial and marine including national parks and reserves) - 13 on waste management (solid and hazardous waste) - - Completed the development and production of various biodiversity/ecosystems (i.e. terrestrial and marine) information materials and communication products such as pull-up banners, posters, brochures, booklets, wall stickers, billboards, articles, inflight magazine article, reusable bottles and bags, and advertisement for Access and Benefit Sharing, endemic bird of Samoa, Invasive plants, butterflies, myna birds, and reptiles. |
| Number of monitoring conducted for all waste Managements | 24 | Completed/Achieved | Completed a total of 66 monitoring for the different waste services consisted of: - 18 for Public Toilets (ie. Mulinuu, Sogi & Elelelefou) and sludge facilities (i.e.Tafaigata and Vaiaata) - 12 Waste Collection Services - 12 Landfill Operation and Maintenance Services - 12 Apia Lawn Maintenance Services and - 12 Apia Daily Litter Maintenance Services |
| Number of waste minimization programs conducted | 10 | Completed/Achieved | - 11 collection efforts for HP toners and 2 shipments of ink cartridge and HP toners for recovery under the E-waste partnership with SSAB and HP Company New Zealand - 15 open burning cases reported, sited and advised on with regards to the Open Burning Act - 9 application received for transboundary movement of hazardous waste for disposal (6 from islands state for transit in Samoa and 3 from our local recyclers) - 64 waste segregation bins installed at Public places. - 250 waste bins distributed for residences residing along the Vaisigano river under the GCF project. - 12 waste segregation cages distributed to 6 schools (6*2 cages), mainly Avele College, Vailima Primary School, Maluafou Colleege, Manumalo Baptist school, Leififi College and Moataa Primary School as part of the GCF project |
| Number of surveys and monitorings conducted for biodiversity (marine and terrestrial) priority areas including species of conservation for Samoa | 10 | Completed/Achieved | - 8 total assessments for marine biodiversity/ecosystems (i.e. 2 marine ecological monitoring surveys for Aleipata and Safata MPAs, and 6 mangrove audits for Sapulu, Vailuutai, Lotopue-Malaela, Poutasi, Vaovai and Puapua) - 10 monitoring works for terrestrial biodiversity/ecosystems (i.e. 3 monitoring for flying fox and water lettuce, 4 routine bird monitoring for reserves at Mt Vaea, Faleata and Malololelei, baiting surveys and 3 monitoring activities for rat control bait stations at Malololelei) - 12 monitoring visits and general maintenance reports developed for Zone 2 reserves - bi-weekly monitoring and maintenance of the Mt Vaea RLS loop trail - 1 eradication operation for rattan at Papaseea - 2 trimming operations for Pulu trees in town - 1 crown-of-thorn control operation |
| Number and total area of significant biodiversity areas restored and rehabilitated | 10ha | Completed/Achieved | - 10.2ha total area replanted and restored for open forest in reserve areas (Vailima reserve 8.1ha, Malololelei reserve 1.7ha and Malololelei BioPark 0.4ha) - 26,847 native seedlings planted for all areas - 17,767 native plants collected and propagated in nursery |
| Number of regulating | 5 | Completed/ | A total of 15 regulating tools for environment and conservation including |

| | | | |
|---|---|------------------------|--|
| tools for environment and conservation e.g Aleipata MPA Management Plan/Falealili Managrove Areas/ABS Regulation/Waste Levy Regulations etc | | Achieved | waste management, are reported in different status as follows: <ul style="list-style-type: none"> - Samoa National Invasive Species Strategy and Action Plan 2019-2024 launched. - Samoa's Sixth National Report to the Convention on Biological Diversity, launched. - National Access and Benefit Sharing legal framework, launched. - Completed the final draft of the Guideline for Traditional Knowledge associated with genetic resources - Completed the final draft of the two Biocultural Community Protocols for Aopo and Faleaseela. - Completed the first draft of the Genetic Resources and associated Traditional Knowledge management Bill 2020. - completed first draft of the Management Plan for Aleipata MPA - completed first draft for 3 mangroves conservation and management areas (Lotopue-Malaela, Poutasi and Vaovai) - Completed the final draft of the Samoa Ocean Strategy. - Completed Samoa's national report 2017 – 2019 to the Convention on the Conservation of Migratory Species of Wild Animals (CMS) management plan. - Waste levy initiative is been under development and with the assistance from PacWaste Plus project, a consultant will be recruited to develop waste levy regulations - Review and Update National Implementation Plan (NIP) for POPs 2019, endorsed. |
| Number of waste management surveys conducted | 3 | Completed/ Achieved | <ul style="list-style-type: none"> - 4 waste audits completed for Siumu, Vailuutai, Moataa and Papa Puleia villages - Completed a waste audit for the South Pacific Games through collaboration with the Greening of the Games 2019 |
| Protected areas established/ Management Plans for 2 KBAs (eg., Gataivai), 1 new CCA/KBA | 3 | Completed/ Achieved | <ul style="list-style-type: none"> - 1 renew for Aopo Conservation Area and Management Plan developed (PPCR/SMSMCL project) - 1 new proposed PA under private lands from Fasitoo-Uta is in consultation process with the Ministry. |

5.1 TERRESTRIAL BIODIVERSITY CONSERVATION

- Completed 13 educational and awareness programs for terrestrial biodiversity conservation for schools, stakeholders and the local communities (stakeholders and the local communities). The schools awareness programs scheduled for this financial year were postponed due to the covid-19 pandemic and measles epidemic.
- Launching of Samoa's National Invasive Species Strategy and Action Plan 2019-2024.
- Launching of Samoa's Sixth National Report to the Convention on Biological Diversity.
- Launching of the National Access and Benefit Sharing legal framework.
- Completed the final draft of the Guideline for Traditional Knowledge associated with genetic resources.
- Completed the final draft of the two Biocultural Community Protocols for Aopo and Faleaseela.
- Completed the first draft of the Genetic Resources and associated Traditional Knowledge management Bill 2020.
- Completed the development and production of various terrestrial biodiversity awareness and communication products such as posters, brochures, booklets, wall stickers, billboards, articles, reusable bottles and bags, and advertisement for Access and Benefit Sharing, endemic bird of Samoa, Invasive plants, butterflies, myna birds, and reptiles.

5.2 MARINE BIODIVERSITY CONSERVATION

- completed 12 awareness and educational programmes on marine biodiversity (7 communities and 5 schools).
- completed the development and production of various awareness materials such as pull-up banners, posters, brochures, billboard and article for inflight magazine for MPA, mangroves, sharks and CITES.
- Completed 2 coral reef ecological surveys for Aleipata and Safata MPAs.
- Completed 6 mangrove audit baseline assessments for 6 villages (4 Upolu, 2 Savaii).
- Completed 5 consultations on draft Samoa Ocean Strategy (3 national stakeholders, 2 community wide).
- Completed the final draft of the Samoa Ocean Strategy. Submitted to the National Policy Coordination Committee for review and endorsement.

- Completed the Special Unique Marine Area (SUMA) workshop for Marine Spatial Planning (MSP).
- Completed Samoa's national report 2017 – 2019 to the Convention on the Conservation of Migratory Species of Wild Animals (CMS). Submitted to CMS Secretariat.
- Completed 4 initial consultations to develop Management Plans for Aleipata MPA (review and update) and mangroves for Lotopue-Malaela, Poutasi and Vaovai. Initial draft management plans developed.
- Completed 1 crown of thorn starfish (COTs) control operation for Puapua with a total of 227 COT eradicated.

5.3 NATIONAL RESERVES

- Manumea Awareness Campaign Strategy 2019-2020 launched and implemented.
- Developed and launched the Manumea Recovery Plan 2020-2029.
- Completed the BioRAP survey for the Masamasa – Falelima National Park as part of our training implementation for the staff of MNRE under the PPCR funded project to develop a Climate Change monitoring protocol for coastal lowland and cloud forest.
- Completed ten schools awareness programs to include two school visits from New Zealand and American Samoa and one from the Australizn Royal Army.
- Completed four routine Bird monitoring surveys for Vailima, Faleata and Malololelei reserves. These surveys allows us to keep track of the status of avifauna in these reserves providing crucial habitat for our native birds. Data is updated into the database for Reserves bird monitoring.
- Completed 3 rounds of re-baiting activities for rat control at Malololelei and 2 rounds of monitoring using chew cards. Progress report has been developed and submitted to donor and partners.
- Completed 12 monitoring site visits for all 8 Reserves maintenance by MNRE and including 5 Reserves maintained under a contract agreement with L&V shop and grass cutter. Progress reports developed and available for all site visits.
- Completed 2 routing trimming operations for the Beach Road Pulu and tamaligi trees.
- Routine monitoring and upgrading works completed for the Mt Vaea RLS loop trail.
- Small scale garden landscape upgrading works ongoing for Vailima, Galagala, Lelata and Tiafau reserves.
- completed collection and propagation of 12,093 native seedlings.

- Signage upgrading continues and completed for Ao-o-le-malo, Loto-o-Samasoni, Galagala and Lelata reserves.
- 1 hectare of area under control operation for Ava toga (Piper methysticum) removal on Mt Vaea Reserve area.
- With funding from the GCF-VCP, we continue to recruit and employ a total of 15 men to support restoration and forest rehabilitation activities for degraded forests under the Reserves administration.
- Completed a total of 8.1ha replanted for Vailima Reserve, 1.7ha replanted for Malololelei Reserve and 0.4ha replanted for Malololelei BioPark. Total of 10.73ha replanted for all degraded forests.
- 1 private land in the process of discussion for biodiversity protection at Fasitoo Uta village.
- Total of 26,847 trees planted in all tree planting program to support reforestation.
- Total of 13 public tree planting programs completed by schools, youth groups, organization and various company groups in the country.
- Draft bi-annual report developed for Mt Vaea Ecosystem Resilience and Forest Restoration project
- completed bi-weekly maintenance of the RLS loop trail upgrading drainage system, landslides, fallen tree clearance, lawn maintenance, 8 eco-friendly rubbish bins installation, painting of RSL tomb and tree planting in open areas.
- Routine maintenance on a bi-weekly and monthly basis for all new planted forest plots that are within 2 years of restoration program.

5.4 SOLID WASTE MANAGEMENT SERVICES

- Endorsement of the National Waste Management Strategy 2019 – 2023 an integrated strategy including Solid, Chemical and Hazardous Wastes and inline with the Regional Cleaner Pacific 2025 Strategy
- Endorsement and enforcing of the Waste (Plastic Bag) Management Regulations 2018 in which the effective date (30 January 2019) of banning single use plastic shopping bags, plastic packing bags and plastic straws as Samoa's contribution to the Global fight against plastics and marine pollution
- Coordination of the Greening of the Pacific Games 2019 emphasizing a clean and plastic free games and first ever green Pacific Games in history of the regional sporting event
- Coordination of Waste Management and Cleaning services for all sporting venues and athletes' village for the Pacific Games 2019 include the

collaboration with SPREP and Greening of the Games committee in conduction of the waste audit during the games

5.5 CHEMICALS AND HAZARDOUS WASTE MANAGEMENT

- Completed 2 school awareness for Avele and Faleata colleges and 2 community consultations for Alamagoto and Saleapaga Villages
- Talk back shows conducted for Talofa FM (Radio), Good Morning Samoa TV1 program and TV2 Sulaulama panel show on open burning issues, plastic ban.
- 15 cases of open burning reported to the office, sited recorded for future follow up.
- Conducted 11 collections for HP toners under the e-waste partnership with SSAB and HP company in NZ.
- 2 shipments of HP toners and ink cartridges shipped for recovery.
- 9 applications received for transboundary movement of chemicals and hazardous waste received for usual procedures under the Waigani and Basel Convention.
- Launching of Samoa Waste Oil Management Project (SWOMP) in partnership with Samoa Recycle and Waste Management Association (SRWMA) initiated by Hyundai and Nissan companies.
- Launching of the Review and Update National Implementation Plan (NIP) for Persistent Organic Pollutants (POPs) under the Stockholm Convention for Samoa.
- Assisted the development of the National University of Samoa's Waste Management Plan which was launched in March 2020



OUTPUT 6: FORESTRY MANAGEMENT, PLANNING & RESEARCH SERVICES

“To ensure sustainable development and management of forest resources across related sectors.

Extracted from the Ministry Budget Full Year Review submitted to the Ministry of Finance (FY2019/2020) for all Outputs

| Performance Indicator | Target | Progress | Comments |
|--|---------|--------------------|--|
| Total hectares planted to restore degraded forest in National Parks and Community woodlots | 100 | Incomplete | 17.9 ha achieved of the 20ha targeted to restore in National Parks while 76.6 ha of community woodlots have been met from a total of 80 ha target. Target not meet due to measles & covid-19 outbreaks in late 2019 and early 2020 |
| Total hectares maintained in 4 National Parks | 515 | Completed/Achieved | 683.4 ha maintained in four National Parks |
| Total number of individual farmers/societies registered and participated at Sustainable Agroforestry and Community Forestry Programm | 200 | Incomplete | 161 new farmers registered and participated |
| Number of national parks and community conservation areas management plans developed and implemented | 1 | Completed/Achieved | 1 Management Plan reviewed (OLPP National Park Management Plan) |
| Number of research and species trials conducted | 2 | Completed/Achieved | 3 ongoing research studies |
| Number of wetland areas assessed, protected and documented | 1 | Completed/Achieved | 2 activities implemented (Vaipu Swamp Forest & OLPP National Park Ramsar Site) |
| Number of Forests conservation/production layers through collection of survey and monitoring data | 5 | Completed/Achieved | 11 layer/maps were produced for forestry harvesting operations and 8 maps produced for the Masamasa-Falelima Baseline Survey for the Park Management Plan formulation |
| Number of forest harvesting permit issued | 95 | Completed/Achieved | Fifteen (15) licences and permits approved and issued out of the 20 applications that were submitted. Therefore 75% achieved due to the remaining applications in process. |
| Number of mobile sawmills registerd and inspected | 13 | Completed/Achieved | 9 Sawmills have registered and 5 sawmills notified their non-operational for this year, 2020 |
| Total number of seedling produced in 5 forestry nurseries | 150,000 | Incomplete | 142,860 seedlings raised - 83,823 seedlings dispatched under the community foretry programs/plantations. Shortfal was due to SOE for measles and covid-19. |
| Number of trees planted under the 2 million trees planting campaign (5 years) | 400,000 | Completed/Achieved | 2,109,300 trees distributed and planted as per data submitted from all the partners of the campaign (MAF, STEC, SFFI, Private Businesses/Communities, MNRE – FD, DEC, WRD) Other NGOs such as METI, WIBDI were unable to submit their data |
| Number of awareness and educational programs conducted on forestry | 5 | Completed/Achieved | 6 Educational Awareness and Tree Planting Activity (EATA) conducted under the Two Million Tree Planting campaign from various Projects support. 2 student tours were done in OLPP National Park for NUS by request. 6 Community Consultations conducted with communities; 2 workshops for Magiagi under the GCF-VCP, 2 meetings with villages around the OLPP National |

6.1 EFFECTIVE AND SUSTAINABLE MANAGEMENT OF ALL TYPES OF FORESTS

- 94.5 hectares planted in four (4) National Parks (OLPP, Lake Lanoto'o, Mauga o Salafai and Masamasa-Falelima), Vaipouli State Forest land and community lands under the community and agroforestry programs.
- 683.4 ha maintained in four National Parks and Vaipouli State forest land
- 161 new farmers registered and participated in Community Forestry Programs (woodlots, agroforestry)
- 22 Pre-Harvest Inventories conducted
- Conducted 8 school tours in National Parks/reserve and Vaipouli State Forest land under the Educational Awareness and Tree Planting Activity (EATA) for the Two Million tree planting campaign; 2 OLPP NP (NUS), 3 Vailima reserve, 2 Vaipouli State Forest land, 1 Masamasa/Falelima National Park
- Conducted 6 community consultations on OLPP NP Management Plan review, GCF-Vaisigano Catchment Project on forest restorations as well as Taga and Matautu o Savaii for the PACRES Project on climate change resilience.
- 216 Visitors visiting the OLPP National Park. Reduce number due to measles outbreak late 2019 and COVID-19 pandemic early 2020
- O Le Pupu Pu'e National Park Management Plan reviewed
- Development of the Masamasa/Falelima Management Plan funded by the PACRES/SPREP Project as well as implementation of climate change linked activities to forestry for Taga and Matautu villages (CIM Plans, Village Management plan, Operational plan)



6.2 STRENGTHENED RESEARCH AND DEVELOPMENT FOR SUSTAINABLE FORESTS MANAGEMENT

- Biomass and carbon stock estimation per tree species: 17 trees (14 species) assessed including harvested, sampled, weighed, dried, monitored, recorded and calculated for Aboveground Biomass (AGB) and Carbon Stock (CS) estimation. Species including tavai, pulu vao, masame, lopa, tamaligi, fanaio, faapasi, talie, asi vai, mosooi, aamatie, maota tufaso, fetau and operera. The Standard

Operating Procedure (SOP) for each tree species including site visit for tree selection, tree census, destructive sampling and tagging, weighing and selection of samples to calculate fresh/dry weight ratio, drying and recording.

- Research on Assisted Natural Regeneration of forests: six (6) assisted natural regeneration of forests plots established, monitored, surveyed and assessed.
- Phenology studies: - 44 new trees (15 species) were monitored on a monthly basis at Vailima National Reserve, Faleata Reserve and Masamasa Falelima National Park for phenology study.
- Proposal was submitted and granted under Ramsar Nagao Wetland Fund to enhance the conservation and wise use of Vaipu Swamp Forests in Samoa. Funds have been transferred to MoF awaiting implementation phase. A second proposal was submitted and approved under GCF Project to review the Ramsar Site Management Plan for OLPP National Park. The Management Plan has been developed now awaiting launching by the Ministry.
- A series of presentation was conducted with NUS Students to raise awareness on forestry research and development as well as wetlands conservation.

6.3 PLANNING AND POLICY FRAMEWORK FOR SUSTAINABLE FORESTS MANAGEMENT

- 9 portable sawmills registered whereas 5 sawmills notified their non-registered situations due to sawmills not functioning well and some not being able to operate this year.
- Fifteen (15) out of twenty (20) Forestry Harvesting Licenses and Permits approved and issued
- Revenue of \$7,102.00 has been collected from application and natural resources fees and registration of portable sawmills
- Enforcement and monitoring of forestry harvesting operations and reporting on their compliance and non-compliance which compliance accounted to around 70%.
- Ongoing update of the SamFRIS and Forestry database with relevant information on community forestry programs, forestry harvesting operations, sawmill registration, etc.
- Continued coordination of the Two Million Tree planting campaign, collecting data and compiled for the program. Total trees dispatched and planted by stakeholders totaled up to 2,109,300
- Educational Awareness and Tree Planting Activity targeting school children funded by various projects (IMPRESS, EWACC, SMSMCL, GCF-Vaisigano Catchment Project, SPREP – Greening of the Games,) promoting forestry work and the Two Million Tree planting campaign
- Community consultations conducted for and FM Act 2011

OUTPUT 7: METEOROLOGY DIVISION

“To provide meteorological, geo-science, climate change and disaster risk management services in support of sustainable development of natural resources.”

Extracted from the Ministry Budget Full Year Review submitted to the Ministry of Finance (FY2019/2020) for all Outputs

| Performance Indicator | Target | Progress | Comments |
|--|--|------------------------|--|
| Number of daily public and marine weather bulletins | 2920-increase issuance in 6 hourly periods-4 times/day | Completed/ Achieved | Routine duties carried out 24 hours daily are met. The impacts sometimes when the internet/website is down or power is temporarily shutdown, requires manual inputs or delayed updates than normal |
| Number of warnings issued (small crafts, wind and flood advisories) | 600 | Completed/ Achieved | Advisory and Warning bulletins successfully transmitted timely and met expected count. Have incorporated these in the mandatory review of operational procedures to reflect the changes that must be made to improve the timeliness and effectiveness of warnings and advisories |
| Number of aviation (aircrafts) weather bulletins | 553 | Incomplete | Route forecasts prepared for aircraft take off are primarily focused on Samoa Air but also include other airlines based on requests, includes chartered flights and additional flights initially not on schedule. Heavily impacted by COVID which dramatically reduced flights |
| Number of special weather bulletins issued (tropical cyclones and non-tropical cyclone season) | 40 | Incomplete | The realistic count did not meet the estimated value since fewer Tropical Cyclones impacted Samoa in the recent TC season. Must include a realistic number so it meets the TC outlook because not all seasons are the same |
| Number of climate summary and seasonal rainfall outlook reports issued | 12 | Completed/ Achieved | 12 Climate summaries and 12 Seasonal Rainfall Outlook reports are issued monthly. |
| Amount of Ozone depleting substances phased out | 12 | Completed/ Achieved | Achieved 95% reduction from baseline for the phase out of HCFC exceeding 35% target for the year 2020 |
| Number of felt earthquake reported | 30 | Incomplete | 29 Felts are recorded this period. It is different from year to year due to activities of the plate tectonics. |
| Number of earthquake information bulletins issued | 60 | Completed/ Achieved | 174 recorded |
| Number of earthquake reports analyzed | 2000 | Incomplete | 1632 analysed. This number is different from year to year. |
| Operational auto weather stations generating data (25 Savaii + 26 Upolu) | 946080 (5 minutes/2688 meter reading) | Completed/ Achieved | Most weather stations are working fine with the expectation of some which are either damaged or violated, or because of defective sensors that require replacements |
| Number of monthly summary of EQ | 12 | Completed/ Achieved | ongoing analysis |
| Number of Tsunami Bulletins | 12 | Completed/ Achieved | No advisories or warnings only information bulletins. |
| Number of Geo-magnetic Reports | 48 | Completed/ Achieved | ongoing geomagnetic observations twice a week. |
| Number of maintenance of drilling rig and vehicles | 70 | Completed/ Achieved | |
| land lease Met, DMO, WRD | 24 | | |

| | | | |
|--|-----|------------------------|--|
| Number of ozone depleting substances data and inspection reports procured and disseminated to stakeholders | 12 | Completed/ Achieved | 12 reports presented during National Ozone Committee Meetings on data collection and companies inspections, joint inspections with Customs and Energy Division |
| Land lease for weather stations for DMO & WRD | 24 | | |
| TV Weather reports | 504 | Incomplete | TV weather reports are conducted once daily thus budget standard must be reduced to 300 because Sunday is not inclusive in the count. |

The division has made considerable improvements in the service with the increase in the number of activities completed for Key Performance Indicators approved under the financial year 2019-2020. There is currently a growth of duties and responsibilities in the essential monitoring of seismic, weather, and climatic events that can impact the country.

7.1 WEATHER SERVICES

Improve quality and accuracy of forecast products; enhance performance of the weather service staff

- Consistently carried out quarterly maintenance (3 monthly) of the weather infrastructure network (AWS and Radar Wind Profiler) which included repairing communications faults and replacing integrated circuit parts from stations across Upolu and Savaii.
- Monitored the data quality of 3-hourly synoptic reports collected, coded, and disseminated by the Meteorological Technicians
- Continued regular checklists on the Delairco Reports to highlights interruptions within the network forecasting service
- Forecast products issuances increase to 4 times a day (every 6 hours) a requirement of the Quality Management System for a 24/7 meteorological service
- Continuous effective operation and maintenance of Forecasting Systems VISUAL WEATHER and MOVING WEATHER
- Television Weather reports prepared, edited, and distributed effectively
- Disseminated SMS for Warning and Advisory bulletins via Early Warning Forecasting Systems (IBL)
- Circulated Severe Weather Information to focal points of all sectors via designated mailing list
- Successful service delivery to website, YouTube channel, radio, social media platforms, and TV
- Improved weather graphics and presentation, incorporating new ideas to be implemented;
- Successfully transmitted METARs and Route Forecasts for departing flights to Nadi, Auckland, Sydney, and Brisbane;
- Implementation of the Quality Management System (QMS)
- Letter of Exposition and documentations received by the regulatory body at MWTI. Still on hold until an adequate number of qualified staff can be employed under the Meteorology Division
- Reviewed existing manual, procedures and processes
- There were five (5) capacity building opportunities that staff of the Weather Service participated in for short-term courses abroad in public, marine and aviation forecasting. We are grateful for the financial support from international institutions such as WMO, JICA, BoM, FMS;
- Reinforcement of Meteorological Services in Tokyo JAPAN
- IOC-ITIC Tsunami Evacuation Mapping Plan and Procedure, Nadi FIJI
- Tenth Asia/Oceania Meteorological Satellite Users' Conference (AOMSOC-10), Melbourne AUSTRALIA
- The 13th WMO Regional Association V Training Course on Tropical Cyclones, Nadi FIJI
- Workshop on Now-casting, Seamless Forecasting and Warning Services, Hong Kong CHINA
- Internal staff training continued more regularly as the other mode of capacity building at Nodding Sessions on Mondays and Fridays. This Weather Briefing forum is aimed at knowledge sharing and build forecasters or observers confidence through oral presentations.
- Monthly preparation other weather summary by utilizing the forecasts and observations to explain weather phenomena that impact Samoa
- Successfully compiled case studies for the Meteorology Division research group and meeting the regional requirements under the Severe Weather Forecasting Program of the WMO.
- Monitored a severe weather episode of the trade wind weather in July 2019 that brought significant impacts across the country
- Tracked and issued Special Weather Bulletins for two named Tropical Cyclones within the vicinity of Samoa; Vicky and Wasi in February 2020.

- Contributed regularly and actively in the CDCRM outreach programs to communities around Samoa. Increase in weather-related community based and disaster risk reduction awareness programs in collaboration with DMO and counterparts from government entities and the private sectors
- Conducted regular school visits and tours to the forecasting and operations room

7.2 CLIMATE SERVICES

Improve quality and accuracy of climate information and data

- Upgrade Climate Database Management System, Data Rescue and Data Digitization
 - Ongoing management of rainfall and climate stations observation network
 - Ongoing maintenance and calibration of meteorological equipment to improve quality
- Effective Seasonal Climate & Ocean Prediction Services
 - Twelve (12) numbers of Seasonal Rainfall Outlook disseminated.
 - Twelve (12) numbers of Early Action Rainfall (EAR) Watch Bulletins
 - Twelve (12) numbers of Ocean Outlook Bulletins
- Effective monitoring of climate variability and long term change
 - Twelve (12) numbers of Climate Summary Report issued.
 - Ongoing contribution to CDC report cards.
- Capacity Building Opportunities
 - The capacity building trainings were conducted to improve skills on seasonal climate forecasting and the importance of the inclusion of traditional knowledge into modern/contemporary forecast.
 - Ocean Obs19 Conference, Honolulu Hawaii September 2019
 - ROK-PI Clips Regional Training, New Caledonia October 2019
 - PICO5 , New Caledonia October 2019
 - PICASO In-country Training March 2020
- Services for Multi-Sector decision making and planning
 - AGRO-MET Project is a collaboration with Food and Agriculture Organization (FAO), The University of the South Pacific (USP) and Ministry of Agriculture & Fisheries (MAF) with the main focus to produce a simple, understandable and user-friendly meteorological bulletin for farmers. It has been on trial since

March 2020 and expected to be disseminated publicly at the end of the 2020.

-Revamped of the Climate Early Warning System with the Health Sector (H-CLEWS) to flag future climate-related diseases.

-Revamped of the Water Model Balance with the Electric Power Cooperation (EPC) to assist the

- Collect and document Traditional Knowledge (TK) on Climate Predictions and Environment Indicators
 - Ongoing monitoring processes at TK Monitoring Sites in Upolu and Savaii
 - Ongoing verification of TK Stories and surveys

7.3 OZONE SERVICES

Reduce and control use of Ozone Depleting Substances

- Refrigeration and Air Conditioning Sector (RAC) training workshop, 25-26 July 2019;
- National Ozone Day September 2019;
- Refrigeration Air Conditioning Association of Samoa (RACAS) Trade Nights
- Number of ozone depleting substance data reports produced and disseminated to stakeholders
- Ongoing implementation of the Licensing system
- Monitor consumption of Ozone Depleting Substances (ODS)
- Monitor compliance to code of good refrigeration practices/procedures and standards
- Implement recycling and recovery activities
- Implement certification system for refrigeration personnel
- Prepare reporting to the Montreal Protocol
- Improve public awareness on Ozone Depleting Substances (ODS)

7.4 GEO SCIENCE SERVICES

Conduct Geo-Scientific Observations and Investigations

- Enhancing of the mechanical services to the Ministry;
 - There are 25 services of Met. Office vehicles, 5 maintenance of MNRE vehicles and 5 maintenance of drilling rig.
 - Ocean services mandated to carry out the Ocean Acidification (OA) Project;
- MOU signed between the Ministry of Natural Resources and Environment (MNRE) and the Korean Institute of Ocean Science and Technology (KIOST) in 2019.

The OA Project aims to undertake urgent actions to protect coral reefs and other vulnerable marine ecosystems through the development and

implementation of comprehensive and integrated approaches for the management and the enhancement of their resilience to withstand pressures, including from ocean acidification and invasive species, and by drawing on measures such as those identified in the Framework for Action 2013 of the International Coral Reef Initiative.

The progress is now most of the monitoring equipment are procured and arrived in Samoa. Payments are still in the process of transmission to the suppliers and because of COVID 19 installation will be done asap upon arrival of expert teams from Korea in 2021.

- Drilling investigations as the only main source of revenue earning for the division.

Two drilling investigations were carried out - one on 27th January - 12th February 2020 at Sogi Flea Market area and on the other one on 26th February - 04th March 2020 at the Proposed Moataa Primary School. Recommendations were given for the geological stability of the support ground for infrastructure construction.

- Number of felt earthquake reported
- There are 29 felt Earthquakes from July 2019 to June 2020.
- Number of earthquake reports analyzed and issued
- There are 1632 earthquakes reports analyzed.
- Number of monthly summary of Earthquake
- There are 12 summaries of Earthquakes recorded.
- Geotechnical investigations reported
- There are two geotechnical investigations reported.
- Number of Geo-magnetic Reports
- There are 53 Geo-magnetic Reports done from July 2019 until June 2020.
- Number of Tsunami Bulletins
- There are 29 Tsunami Felt Bulletins issued.

OUTPUT 9: WATER RESOURCE DIVISION

“To integrate and implement sustainable water resource management across all relevant sectors.”

Extracted from the Ministry Budget Full Year Review submitted to the Ministry of Finance (FY2019/2020) for all Outputs

| Performance Indicator | Target | Progress | Comments |
|---|--|-----------------------------|--|
| Number of Watershed Management Plans (WMPs) formulated and finalized | 2 new WMPs (Salani & Nuusuatia) | Completed / Achieved | 2 priority sites for the reporting period are Nuusuatia and Sasina with initial consultations completed and draft WMPs currentl in place for these sites. |
| Percentage of approved WMPs under implementation | 55% | Completed / Achieved | The implementation of activities identified in WMPs is ongoing with many replanting activities (Malololelei, Nuusuatia, Fagalii), nursery installations (Lepa & Maliolio), and land area characterization works (Sasina & Nuusuatia) have been completed within the past Financial Year. |
| Cumulative total hectares of prioritised watershed areas rehabilitated and / or declared reserves | 20 additional hectares (322 ha) | Completed / Achieved | A total of 22ha of rehabilitated land through tree planting and fencing activities within the areas of Malololelei, Afiamalu, and Nuusuatia were conducted throughout the reporting period. |
| Groundwater potentiometric map developed using established monitoring boreholes | 30% | Completed / Achieved | 2 additional sites added to the potentiometric map with the establishment of 3 new monitoring boreholes to inform the network. 3 Three new monitoring boreholes drilled within the reporting period at Satalo, Matautu Lefaga and Lalomauga. Accumulative number of boreholes to date is 30 |
| Number of monitoring boreholes drilled and feasible for groundwater monitoring | 2 new monitoring boreholes (Lefaga & Vaipouli) | 3 new boreholes established | <ul style="list-style-type: none"> • Monitoring borehole at Lalomauga was drilled from the 10-20th of December 2019. Depth of MB is 50m; • Monitoring borehole at Satalo Falealili was drilled form the 18-29th of May 2020. Depth of this MB is 68m; • Monitoring borehole at Matautu Lefaga was drilled from 08th - 19th of June 2020. Depth of this MB is 19.5m; • Monitoring and profiling for Savaii boreholes was completed between the 26-3 August 2019, and 12-15th May 2020; • Pump test for new SWA production borehole at Satapuala was carried out on the 14th – 22nd of September 2019 |
| Regulatory tools in place and implemented, including policies, abstraction licenses, drilling permits and village by laws | 6 new regulatory tools in place | Completed / Achieved | A total of 22 licenses were processed and issued within the past FY. These included 6 new licenses (SWA) and 16 renewed licenses (12 SWA, 2 LDS, Kings Construction and Ulia Construction) to various water users in the country. |
| Number of Advisory (Water Resources Board) and Technical Coordination (WRTC) Committee Meetings | 8 meetings conducted (4 Advisory Board meetings & 4 WRTC meetings) | Incomplete | Only 4 meetings were carried out throughout the reporting period (3 WRTC meetings and 1 Advisory Board meeting) due to SOE restrictions on gatherings during the last half of the FY. |
| Surface water monitoring | Ongoing | Ongoing | <ul style="list-style-type: none"> • 2 new telemetry rain gauges procured under PPCR arrived in country in June for installation; • Developing a Flood Early Warning System/ Flood Decision Support System (FDSS) to enable close to real-time monitoring of rainfall and river relationships. This work is ongoing with the Meteorology Division and the Disaster Management Office and is planned to be launched in March 2021; • A Standard Operational Procedure is also being consulted on the seamless implementation of the FDSS; • Supply of new stations for the FDSS was received within the reporting period with installation planned in the new FY. |

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|---|--|----------------------------------|---|
| | | | <ul style="list-style-type: none"> • Draft Contract in place for NIWA for the procurement of spare parts, under the PREP project, to upgrade and maintain some of the hydrometric stations either damaged or have been vandalized; • Carried out a rapid assessment of water sources for the Palisi area from the 3-4 February 2020. Assessment report is in place; • Partnered with NUS and New York University in delivering the Biosecurity of Upolu Fresh and Salt Environmental Water Resources study. Published report available. • MOU signed with the Scientific Research Organisation of Samoa (SROS) to sample and test water quality in some of the water sources and sites in Upolu; • Samoa is the Chair of the Pacific Hydrological Services Panel and hosted a meeting to discuss progressing hydrological monitoring development in the region in August 2019; • Ongoing field repair and maintenance for all surface and groundwater stations, with quarterly visits to Savaii. |
| Number of strategies under implementation including regulatory tools enforced | 10 new regulatory tools developed | 10 new regulatory tools in place | <ul style="list-style-type: none"> • The review and endorsement of the Water Resources Management Amendment Regulation 2020 was completed. • 9 existing bylaws reviewed and cleared by the OAG to reflect the amendment in the above Regulation and endorsed by the CEO are now under enforcement • 6 new groundwater abstraction licenses issued to the Samoa Water Authority for abstraction activities in Lata, Auala, Falelauniu, Lalomanu, Matatufu and Satitua. • 12 license renewals issued to the Samoa Water Authority for groundwater abstraction activities. These licenses expired in February (6) and September (6) 2019 • 4 license renewals processed and issued for water truck operators (Kings Construction, LDS Pesega & Vaiola, and Ulia Construction) • 6 Draft bylaws in place for clearance from the OAG (Lepa, Patamea, Fagalii, Letogo, Salailua and Lalomauga) • Carried out Water Abstraction License monitoring for Savaii from the 13th – 15th May 2020; • Monitoring of Upolu sites conducted from 15th – 17th June 2020. |
| National Water Resources Management Plan | Draft in place | Partially achieved | <ul style="list-style-type: none"> • The existing composite plan in its initial review has been completed; • Draft Contract with GWP Consultancy is being finalized for signing and execution of the development of the new NWRMP. All taxation issues causing delay in the finalization of the contract have been resolved. • TOR for the Upper Watershed Protection Regulation drafted (the legal research has been completed under the Water and Sanitation Sector Research Initiative) |
| National Drought Policy/Contingency Plan | To be drafted | Partially achieved | <ul style="list-style-type: none"> • The TOR for the development of the National Drought Contingency Plan has been referred to SPREP for review and Financial Assistance in executing this activity. |
| Develop new partnerships with NGOs/CSOs (komiti tumama, schools etc) | Establish an effective community extension service within critical watershed areas | Ongoing | <ul style="list-style-type: none"> • Discussion meeting with the Lepa Water Committee conducted on 22nd August to discuss total area for fencing at intake (300x400m) • School Awareness Program on Samoa's water resources <ul style="list-style-type: none"> i) Patamea Primary School and Samalaeulu Primary School – 14th-15th August 2019 ii) Lepa Primary School and Lotofaga Primary School - 21st August 2019 iii) Lepa and Lotofaga College- 22nd August 2019 • 100 caps and sunglasses with of R2R project branding as part of its awareness materials, signboards also developed and installed |

| | | | |
|--|--|--|--|
| | | | <p>within the Faagalii catchment</p> <ul style="list-style-type: none"> • Intakes at Patamea and Lepa identified as conservation sites for replanting activities and fencing; • Vaitoomuli protected site well maintained with extension in June 2020; • Malololelei reserve to be extended once payment of 50acres is confirmed. • SROS MOU was signed on the 6th of February 2020 for Water Quality monitoring of 24 sites around Upolu; |
|--|--|--|--|

Another Financial Year has now been successfully completed with the government's efforts to protect and conserve the water resources of Samoa. With the achievement of the majority of identified Key Performance Indicators despite some challenges as well as a global pandemic and the consequent closing of borders to the outside world, the ongoing implementation of activities will ensure that the mandated role of the Water Resources Division and its objectives are achieved.

Project implementation and activities have also been very successful with the likes of the Ridge to Reef Project, the Green Climate Fund - Vaisigano Catchment Project, Pacific Resilience Project (PREP), and the development of the National Water Resources Management Plan have also been progressing well.

Due to the measles epidemic as well as global pandemic and the national State of Emergency (SOE) response, the annual commemoration of the World Water and Forests Day as well as other key activities within the schedule of activities for the Division were put on hold.

This report looks at the achievements by the Division, and tracking these against the planned programs of the

“Budget Targets 2019-20”, “National Environment Sector Plan 2017-21” and the “Water for Life: Water & Sanitation Sector Plan 2016-2020”.

9.1 STRENGTHENING WATERSHED CONSERVATION AND MANAGEMENT

Watershed protection and conservation is one of the main priorities for the Water Resources Division. Much of the conservation efforts involve the rehabilitation of degraded areas, and the extension of protected riparian environments. There is also a lot of work that goes into the formulation, implementation and enforcement of watershed management plans, and the increasing priority in the taking of critically threatened watershed areas (upstream) as reserves.



Welding of fence posts and some of the tree species planted during the tree planting with the community

Table 1. Hectares Breakdown and analysis (FY2019/2020)

| Watershed/sites | (Ha) | Analysis |
|---|--------------------|--|
| Vaito'omuli Water Reserve (Palauli Catchment) | 3 | Extension of planted area within the reserve, where WRD supplied 1500 native seedlings during fencing extension activity. The community under the supervision of the mayor and water committee had conducted the tree planting 1 week after the fencing activity. They were advised to use 4m * 4m spacing along the river bank. |
| Afiamalu reserve (Vaisigano Catchment) | 0.4 | Extension of planted area within Afiamalu reserve by Cash for Work and WRD staff |
| Private land reserve (Leotasuatele) (Vaisigano upper Catchment) | 6.5 | Tree planting activity as requested by owner of Vaai's land in Afiamalu on the upper catchment. Cash for work staff and WRD coordinated on conducting the rehabilitation activity. 1500 variety of native seedling were supplied as requested and planted at 5m*5m spacing |
| Fagali'i Catchment | 6.4 | Riparian restoration using vetiver grass, to control soil erosion and sediments runoff |
| Vaivase Catchment | 4.7 | Stabilization of riverine banks and flood mitigation for families living along the banks. |
| Total | 21 hectares | |

9.2 IMPROVE KNOWLEDGE AND UNDERSTANDING OF WATER RESOURCES;

The regular maintenance of water resources monitoring equipments and stations of the National Hydrometric Network is a focus under this component: to ensure that information is accurately gauged and stored until it is updated into the National Water Resources Information System (NWRIMS). This network of monitoring stations is annually expanded to ensure that all parts of the country are adequately monitored and currently consists of 15 rain gauges, 15 water level and flow gauges and a total of 30 monitoring boreholes drilled and installed around the country. To date, 14 water level stations, 8 rain gauges and 10 monitoring boreholes have now been upgraded to the telemetry system.

9.3 IMPROVE THE ENABLING ENVIRONMENT FOR WATER RESOURCES MANAGEMENT;

The implementation and enforcement of the Water Resources Management Act 2008 continues to be a priority, especially the licensing of water developers and trying to obtain information on how much water is being abstracted from the different water sources around the country. There is also an emphasis on monitoring waste disposal into rivers and streams with a number of Precautionary Notices issued to families and businesses who continue to carry out these practices. The majority of these cases are reported to the office by members of the public. The development and enforcement of village bylaws is one avenue the Division is looking at to help alleviate these problems.

Collaboration with the key stakeholders of the water resources management subsector has been good throughout the year, with the Water Resources Technical Committee and the Water Resources Board meetings proceeding as required, with various issues being addressed.

9.4 STRENGTHEN COMMUNITY ENGAGEMENT IN WATER RESOURCES MANAGEMENT

The Water Resources Division carried out a number of community consultations in the watershed areas despite the restrictions from the SOE. Community involvement in rehabilitation efforts has improved substantially over the years and it is very reassuring to see this sense of ownership within the communities in managing and protecting their water resources and the environment. Details of community engagement and awareness activities are outlined in the table below.



School Awareness Program with Lepa & Lotofaga College



Water sampling with SROS at Fuluasou river

OUTPUT 10: DISASTER MANAGEMENT OFFICE

“Mainstreaming the disaster risk management framework in all sectors to ensure sustainable risk reduction and preparedness, effective response and durable recovery from any disaster

Extracted from the Ministry Budget Full Year Review submitted to the Ministry of Finance (FY2019/2020) for all Outputs

| Performance Indicator | Target | Progress | Comments |
|---|-------------------|------------------------|---|
| Number of response agencies, businesses, and NGOs trained using training toolkit for response agencies and have response plans in place | 5 | Completed/ Achieved | First Aid Training conducted for agencies, MCIL, PPS, SBS , MNRE, SAA etc. There was also training for IDRM for all 14 leading agencies for the 14 sectors. IDA was conducted for all first responders. |
| Number of school's including schools committees trained on disaster preparedness | 3 | Completed/ Achieved | ECE conducted for the 58 schools and 12 tsunami drills |
| Number of villages that have completed CDCRM and have disaster plans in place | 15 | Incomplete | 11 of the 15 villages were conducted. This is due to funding, NEOC operations for the measles and covid limiting the participation of communities |
| Number of awareness campaigns developed and delivered and improved access to risk information | 3 | Completed/ Achieved | New App was developed, WTIs was continually printed for the Samoa Observer, News Line, and Digicel Texts. TC campaign is still ongoing on TV4 and TV2 |
| Number of buildings assessed and declared as an evacuation center | 10 | Completed/ Achieved | 547 school building assessed for resilience both in Savaii and Upolu. |
| 100% Multi-Hazard Early Warning System (MHEWS) fully functional when tested (sirens, ERN, SMS, email) | 11% | Incomplete | This is due to specifications of equipment, and TA was unable to travel due to pandemic restrictions . |
| Number of Sectors with DRM integrated plans | 4 sector plans | Completed/ Achieved | Education/ Public Admin/ Community Sector/ Health Sector |
| Number of risk assessments completed and disseminated | 2 risk assessment | Completed/ Achieved | Laulii Coastal , Landslides at Le Mafa, Fagaloa, Tree Management Assessment Vaimoso, St Therese, Motootua residents, |

Awareness Programmes

What to do Messages and Information published on Newspapers such as the Samoa Observer, Newline, on Social Media, and SMS via Service provider Digicel Co Ltd. Ad Campaigns-Awareness raising documentaries and advertisements through TV Broadcasters TV2 and TV4, to build capacity and raise public awareness on roles and responsibilities in response to all hazards. Completed Awareness raising @ ECE level on DRR to build capacity and inform ECE children in response to natural hazards for all Upolu Early Childhood Education schools, using snake charts/games and colouring books.

- APTC Training on Disaster Risk Management that targeted First Responding Agencies, DMO-MNRE, Fire and Emergency Services Authority
- (FESA), and the Ministry of Police, Prisons and Corrections.
- Workshop on Standard Operating Procedures (SOP) for the National Emergency Operations Centre that invited all DAC representatives
- 58 ECE and primary schools developed Disaster Plans and have completed Tsunami Evacuation Drills
- Disaster Risk Management Information App training for DMO staff

Trainings

- Essential First Aid Trainings for Response Agencies to include PPS, Ministry of Communication, & Information Technology, Samoa Bureau of Statistics, Samoa Airport Authority etc.

Policies

- Approved/Endorsed Tree Management Policy/Plan –Already been launched
- Printed endorsed Standard Operating Procedures (SOP) for NEOC

Disaster Management

- Review of Standard Operating Procedures (NEOC SOP) based on lessons learned from the Measles Operation
- Conducted Risk Assessments for potential landslides at Le Mafa Pass and Fagalao. A risk assessment was also conducted for Laulii coastal area upon request received for a seawall to reduce risks of coastal erosion and risks to properties

Mainstreaming DRM into Sector Plans

- Completed Disaster Response Plans for the Community, Communication and Health Sectors

Early Warning System and Emergency

Telecommunication System

- Emergency Siren Network and Emergency Radio Network operational and functional and been frequently utilized by several response agencies and utility services providers
- Relocation works completed for Oloamanu, from Digicel tower to Vodafone due to damage posed by impacts of TC Gita, Feb 2018
- Maintenance works completed for 3 sites in Savaii, and 8 sites in Upolu
- Completed 10 testing for all 23 ESN sirens in Upolu
- Updated databases for Spareparts, ERN & ESN
- Continue Siren testing and maintenance
- Regular maintenance of ERN users/agencies radios for ease of communications.
- Renewed Contract with Digicel on 12 towers used for ERN Co-location for another 3 years

SMS Messaging for Tsunami Early Warning System

- Updated contact list for the SMS Messaging including all DAC members, government development partners, and village mayors and community representatives.

Community Disaster & Climate Risk Management (CDCRM) programme

Supported and facilitated trainings in collaboration with the Community Disaster Preparedness Section with the implementation of the CDCRM programme to 11 villages in both Upolu and Savaii. Developed Exercise coordinated instructions for CDCRM village simulations and exercises. Disaster Plans have also been established. The CDCRM programme wasn't been able to be rolled out to another targeted 15 communities as been delayed due to Measles and Covid19 SOE restrictions

National Emergency Operations Centre (NEOC)

- New NEOC completed and is fully established and in operational. Maintenance and manning of the NEOC is still prioritized throughout and to see areas that need improvement. The staff took note of all recommendations and lessons learned from TC Tino and Wasi
- Activation for national coordination and operation for the Measles Proclamation of Emergency for 44 days (15 November – 29 December).

Meetings/Trainings/Workshops attended

- Section officers attended and participated in various regional and national meetings, trainings, workshops allocated to the respective sections before the Measles Operation
- 15 DAC meetings were convened for Measles and Covid19 NEOC operations

Contingency Planning & Simulation Exercises

- Supported and Conducted 6 fire drills for BSP, ANZ, SAA, NPF PLAZA, DBS

Webpage

- Section continues to review and update information, reports and materials to Webpage team for awareness.
- An app has already been developed to be used by the Division for Disaster response Information and communication.

Newsletters

- Continue to provide articles every 3 months to publicize Division activities been implemented.

Projects

Continue to provide support for the following Division implemented projects:

- Pacific Resilience Project (PREP)
- NZ National Emergency Management Agency (NEMA) DRM Project.

OUTPUT 11: WATER AND SANITATION SECTOR

To strengthen water sector governance and orientation

Extracted from the Ministry Budget Full Year Review submitted to the Ministry of Finance (FY2019/2020) for all Outputs

| Performance Indicator | Target | Progress | Comments |
|--|---------------------------------------|--------------------|---|
| Implementation of "Water for Life" Water and Sanitation Sector Plan 2016-2020 | 100% | Completed/Achieved | The implementation of the WfL Sector Plan 2016-2020 for its final year of implementation FY2019-2020 has been progressive regardless of some issues. The performance review outcomes for the relevant implementing period will be reported in the sector's annual review report for FY2019/2020 at the sector's 12th Annual Performance Review tentative scheduled for November 2020. The postponement of the review was due to the Measles/ COVID19. |
| Implementation of the Sector 3- Year Capacity Building Action Plan (2018-2021) | 60% | Completed/Achieved | The Sector's Capacity Building Strategy and Action Plan 2018-2021 has been completed and now being implemented through mutual collaborations between the sector and the Public Service Commission (PSC), Oloamanu and the Australian Pacific Training Coalition (APTC). The "sector wide approach" to capacity building has been encouraged. Two trainings have been conducted by Oloamanu during the year with an extension on the agreement done up to December 2020 to implement the remaining 8 trainings. APTC continues to be a trainer for the sector through its intake of the appropriate representative of the sector each semester for their Plumbing Training Programme. |
| Updated Sector MTEF Report | Updated MTEF 2019-2022 | Completed/Achieved | Sector MTEF has been updated for FYs2019- 2020 and is reviewed annually incorporating budget changes from MOF. This framework guides the investments forecasts for the sector in the forthcoming years and also reflects the contribution by the government of Samoa into the sector. |
| Updated Sector Investment Plan | Updated IP 2019-2029 | Completed/Achieved | A 10 year Sector Long Term Investment and Costed Action Plan as part of its WfL Sector Plan 2016-2020 is already in place and reviewed annually to meet sector changing demands from time to time and ensuring its alignment with annual budgets and proposed priorities from year to year. An updated 5 year Sector Investment & Costed Action Plan is in draft for FY19/20- 2024/2025 to be finalized and included in the next Water for Life Sector Plan 2020-2025. |
| Regularity of NWSSC, JWSSC, TSC and subsector committees' meetings at 50 meetings a year | 100% | Completed/Achieved | Joint Water and Sanitation Sector Steering Committee meetings held quarterly for the 4 quarters of the year with all the Sector Implementing Agencies and Stakeholders. The Sector was able to have 2 quarterly meetings for FY2019/2020 with the last meeting held in March 2020. This is less than usual due to the gathering restrictions for SoE for the Measles Outbreak and COVID-19 Pandemic. Technical Steering Committee meetings held monthly throughout the year chaired by WSSCD with a total of 7 TSC meetings held for FY2019/2020 and with 1 more remaining meeting to be held for the month of June 2020. This is less than the usual frequency of meetings due to gathering restriction for SoE for the Measles Outbreak and COVID-19 Pandemic. WSSCD was also well represented in other subsector meetings. Minutes of meetings in place. |
| Annual Sector Performance Reviews Conducted | 12th Review Event | Incomplete | The 12th Annual Water and Sanitation Sector Review has been deferred twice in the year due to the unprecedented impacts of the Measles Outbreak in November 2019 and the current COVID-19 Pandemic. |
| Publishing of Annual Review Reports | 11th AR Report Published and Launched | Incomplete | Due to the cancellation of the sector review, the 11th (17/18) and 12th (18/19) Annual Review reports are to be launched at the 12th annual review event in November 2020. In addition, the drafts for the 13th report FY2019/2020 will be made available at the event. |
| Increased number of sector related national research/ survey/ | 3 Research Papers | Incomplete | Research papers planned within the year specifically on rainwater tanks mapping and water quality testing were not implemented due to COVID 19 restrictions although concepts were in place |

| | | | |
|--|---|---------------------|---|
| studies work | | | |
| Annual Water and Sanitation Sector Forums conducted to showcase outcomes of the Sector's Research Initiative Program | 9th Forum | Incomplete | The 9th Annual Water and Sanitation Sector Forum was deferred due to SoE for the Measles/ COVID 19 to be held in November 2020 following the National Toilet (Sanitation) Day held on the 19th November. |
| Joint Water and Sanitation Sector Journal published | 5th Edition Published | Incomplete | The 4th issue of the Joint Water and Sanitation Journal will be launched at the next review. Final research reports have been submitted for compilation of the 5th Issue of the Journal. |
| Independent Bi-ennial Review of Water for Life Sector Plan conducted | Next Biennial to take place in FY 20-21 | Completed/ Achieved | The review for the last 2 years of the WfL sector Plan (Fys 18/19 and 19/20) were to be conducted as part of the Review and Update of the WfL Sector Plan 2020-2025 |
| Annual Monitoring of the Water and Sanitation Sector Projects (MDG), Initiatives and programs | Ongoing | Completed/ Achieved | MDG Monitoring conducted in May- June 2020 .by WSSCD to all relevant rainwater harvesting systems sites with a report already prepared. |
| Percentage implementation of the Sector Communication Strategy | | Completed/ Achieved | The Sector's Communication Strategy is continuously implemented through the IAs of the sector especially with the visibility of the works achieved by the sector as well as issues. Promotional materials were disseminated during public consultation programs, school awareness and the commemoration of relevant national events of the sector (National Toilet Day, World Water and Forestry Day, Annual Sector Performance Review etc). The sector has also signed relevant MoAs with media sources such as TV1 to conduct promotions and awareness on their Good Morning Samoa Programme as well as the Talofa FM to conduct Talk Back Shows on the radio station. The Ministry's website and facebook page have also been used by the sector to convey its advertisements and notices. |
| Number of issues of Quarterly Newsletters | 100% | Completed/ Achieved | Newsletters are prepared and circulated to all Sector IAs and Stakeholders quarterly |
| Increasing number of PAS membership (registered plumbers) | 70 registered plumbers | Completed/ Achieved | Completed |
| Number of Sector Implementing Agencies Trainings on DRM increased | 70 registered plumbers | Completed/ Achieved | Completed |
| Percentage of sludge (2) facilities fully and well maintained annually | 100% | Completed/ Achieved | Maintenance of sludge facilities ongoing |
| Percentage of public toilets (3) and Garden toilets fully operational and comply with national sanitation/hygiene guidelines | 100% | Completed/ Achieved | Maintenance of sludge facilities ongoing |
| Commemoration of National Toilet Day | National Toilet Day 2019 | Incomplete | The 12th Annual Water and Sanitation Sector Review has been deferred twice in the year due to the unprecedented impacts of the Measles Outbreak in November 2019 and the current COVID-19 Pandemic. |

The Water and Sanitation (WSS) Sector is one of the fourteen key sectors of Samoa's economy and development framework. Given water's status as a basic necessity of life and the direct linkages to health, well-being and productivity, it is a priority sector

To facilitate the coordination of the sector, the Water and Sanitation Sector Coordination Division (WSSCD) under the Ministry plays a key role in the coordination, governance, communications and capacity building development for the Water and Sanitation Sector. It serves as the technical secretariat for the Joint Water and Sanitation Sector Steering Committee (the national apex body for the Water Sector) and the Chair to the Sector's Technical Steering Committee meeting.

The WSSCD is responsible for Outcome 11 of the Ministry and End-of-Sector-Plan-Outcome (ESPO) 1 of the Water and Sanitation "Water for Life" Sector Plan 2016-2020 which is to ensure that "Sector Governance and Orientation Strengthened".

Performance Progress FY19/20

For FY 2019-2020, WSSCD was able to achieve more than 80% of its planned activities as per its Key Outcomes as follows for the year with the summary progress within the reporting period;

i. Strengthened Sector Governance and Orientation through Enhanced Sector Policy, Strategy and Planning.

- The year under review is the final year of implementation for the Water for Life Sector Plan 2016-2020 and the implementation of activities to meet the key outcomes for the sector has made good and steady progress throughout the year with well over 80% of the targeted KPIs met within the year. The progress of activities by each of the subsectors / implementing agencies are reported consistently in the monthly/ bi-monthly/ quarterly in TSC, subsector, JWSSC meetings. The sector was not able to eventuate its 12th Annual Review within the year due to the unprecedented implications of the Measles and COVID19.
- The review of the Water for Life Sector Plan 2016-2020 commenced within the year in parallel with the update of the new Water for Life Sector Plan 2020-2025 to be finalized by August 2020.

ii. Improved Sector Capacity Building

- The Sector's Capacity Building Strategy and Action Plan 2018-2021 has been completed and being implemented through mutual collaborations
- between the sector and the Public Service Commission (PSC), Oloamanu and the Australian Pacific Training Coalition (APTC). The "sector

wide approach" to capacity building has been encouraged. Two trainings have been conducted by Oloamanu during the year with an extension on the agreement done up to December

2020 to implement the remaining 8 trainings. APTC continues to be a trainer for the sector through its intake of the appropriate representative of the sector each semester for their Plumbing Training Programme.

Sustainable Financial Mechanisms

- The Sector Medium Term Expenditure Framework (MTEF) has been updated for FY2019- 2020 and is reviewed annually incorporating budget changes from MOF. This framework guides the investments forecasts for the sector in the forthcoming years and also reflects the contribution by the government of Samoa into the sector.
- A 10 year Sector Long Term Investment Plan as part of its WfL Sector Plan 2016-2020 is already in place and reviewed annually to meet sector changing demands from time to time and ensuring its alignment with annual budgets and proposed priorities from year to year.
- An updated 5 year Sector Investment & Costed Action Plan is in draft for FY19/20- 2024/2025 to be finalized and included in the next Water for Life Sector Plan 2020-2025.
- A Sector Procurement Plan is updated annually in accordance to the procurement needs of the sector IAs to guide the procurement and contract management and monitoring of the sector. For FY19/20, a procurement plan is already in place.
- A total amount of SAT100, 000 was secured for the Pacific Water and Wastewater Association Office and disbursed through a Funding Agreement.

Effective Sector Coordination

- Joint Water and Sanitation Sector Steering Committee meetings held quarterly for the 4 quarters of the year with all the Sector Implementing Agencies and Stakeholders. The Sector was able to have 2 quarterly meetings for FY2019/2020 with the last meeting held in March 2020. This is less than usual due to the gathering restrictions for SoE for the Measles Outbreak and COVID-19 Pandemic.
- Technical Steering Committee meetings held monthly throughout the year chaired by WSSCD with a total of 8 TSC meetings held for FY2019/2020. This is less than the usual frequency of meetings due to gathering restriction for SoE for the Measles Outbreak and COVID-19

Pandemic. WSSCD was also well represented in other subsector meetings.

- The tendering process for the supply of 60 rainwater tanks for the 3rd Round of the Rainwater Harvesting Program is in good progress. The assessment of households have been completed and the tanks installation process will be done in collaboration with the Samoa Red Cross Society rolled over to the next financial year. The procurement process of 50 tanks for the 4th Round of the Rainwater Harvesting Program has commenced.

Effective and Robust Performance Monitoring

- The 12th Annual Water and Sanitation Sector Review has been deferred twice in the year due to the unprecedented impacts of the Measles Outbreak in November 2019 and the current COVID-19 Pandemic. The main events for the sector are planned for November 2020 and March 2021. The 11th (17/18) and 12th (18/19) Annual Review reports are to be launched at these key events. In addition, the drafts for the 13th report FY2019/2020 will be made available at the event.
- The 9th Annual Water and Sanitation Sector Forum has been deferred due to SoE for the Measles/ COVID 19 to be held in the next financial year. The 4th issue of the Joint Water and Sanitation Journal will be launched at the next review.
- A Joint Water and Sanitation Sector Steering Committee Site visit was also held in June 2020 to all relevant sites of the sector in Savaii. In addition, a monitoring visit was conducted earlier in May 2020 by WSSCD to all relevant rainwater harvesting systems sites.

Improved Sector Communications

- The Sector's Communication Strategy is continuously implemented through the IAs of the sector ensuring the visibility of the works of the sector as well as issues. Promotional materials were disseminated during public consultation programs, school awareness and the commemoration of relevant national events of the sector (National Toilet Day, World Water and Forestry Day, Annual Sector Performance Review etc). The sector has also signed relevant MoAs with media sources such as TV1 to conduct promotions and awareness on their Good Morning Samoa Programme as well as the Talofa FM to conduct Talk Back Shows on the radio station. The Ministry's website and facebook page have also been used by the sector to convey its advertisements and notices.
- Timely release of sector newsletters quarterly.

Improved Disaster Risk Management

- Following the launch of the National Disaster Management Plan 2017-2021, an initial review was done in-house to ensure that the sector's disaster response and preparedness plan in the National Disaster Management Plan 2017-2021 have been sufficiently integrated into the current WfL sector plan 2016-2020. Consequently, it has been noted that the mainstreaming process was sufficient. More emphasis will be placed on further and improved mainstreaming processes into the new sector plan as well as the full adoption of the relevant recommended actions for the sector in the current National Disaster Management Plan or next edition.
- Sector IAs participated in some of the DRM trainings and reported back to the sector meetings, however, we still need to conduct relevant DRM trainings for the sector as a whole. Furthermore, sector IAs have been participating in some of drills and simulation exercises conducted by DMO and FESA as well as the SRCS.

A key challenge within the year was the unprecedented implications of the Measles Outbreak and COVID19 on the implementation of the activities/ priorities of the sector which led to the delay and cancellation of some of the sector's key events. Nonetheless, such challenges have led the sector to revisit its priorities as well as zooming in its focus on key issues such as sanitation and hygiene. Despite another challenging year for the Division, much progress was made as per its performance targets indicated in its updated sector plan. Activities which were incomplete within the year have been prioritized for implementation in FY 2020-2021

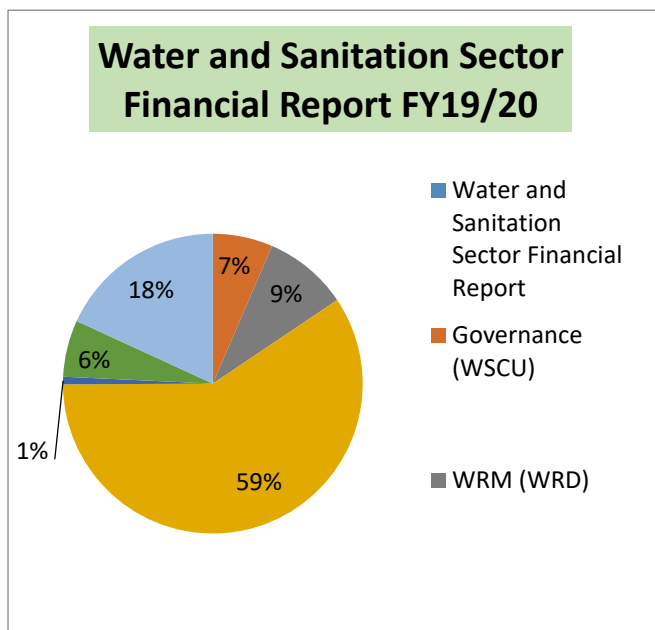
Sector's Financial Report FY 2019 – 2020

Total approved budget for the Water and Sanitation Sector for FY2019/2020 from the Water and Sanitation Sector Budget Support Program is just over SAT12.1 million. This was divided accordingly amongst the Key Implementing Agencies of the Sector as per the sector priorities for the reporting period. Figure 1 depicts the composition of the approved sector budget for FY2019/2020 per subsector.

Of this amount, the Ministry received about SAT2.6 million (22%) in total for the implementation of prioritized activities by its key internal IAs and stakeholders (WRD, DEC, RED, and Legal) and in collaboration with its external IAs (PAS, PWWA, IPES, STA, SRCS) through legal funding agreements and MoUs. It was noted that more than 50% of this amount was utilized within the year to implement activities of the sector.

The Water and Sanitation Sector acknowledges the continuous support of the European Union who remains as the Sector's main development and most trusted partner for over 10 years and continuing, with well over 100 million tala of development assistance to date

Figure 1: Water and Sanitation Sector Approved Budget FY2019/2020 by Subsector



IWSSSC Site Visit in Savaii



Si'u Chan (trainer) delivering her lecture while participants listen and learn



Participants of the Financial management training



MDG Monitoring

OUTPUT 12: INFORMATION TECHNOLOGY AND COMMUNICATION

“To provide effective and efficient information, communications, and technology to support the sustainable development and management of the country’s natural resources and environment.

Extracted from the Ministry Budget Full Year Review submitted to the Ministry of Finance (FY2019/2020) for all Outputs

| Performance Indicator | Target | Progress | Comments |
|---|--------|---------------------|---|
| Percentage of maintenance conducted for the ERN (Emergency Radio Network) for 12 locations | 70% | Incomplete | Ongoing maintenance and support of Emergency Radio and Siren network for Samoa. Upolu siren test conducted first Monday of every month achieved/completed . |
| Percentage Level of Maintenance of System,DKIF & WeBsites | 70% | Completed/ Achieved | Completed the ongoing maintenance and update of the 11 information systems within the ministry: Website, SOLA/LIDAR, PostFix (Email), DKIF, Pacific Climate Change Portal (iCLIM), Samoa Environment Portal (Inform Project), GEONode, Telemetry, Access and Benefit Sharing (ABS), Forecast and Finance One. |
| Maintenance of IT Network (Operational) | 70% | Completed/ Achieved | Ongoing |
| Upgrade security and licensing | 60% | Completed/ Achieved | Watchguard Firewall upgrade to the latest version (M570) to protect MNRE network from cyberattack and virus. Renew Kaspersky total security antivirus license to protect MNRE network servers and computers from viruses. |
| Disaster recovery plan and backup | 50% | Incomplete | Ongoing support services |
| ICT Inventory | 60% | Incomplete | Ongoing monitoring and update of the ICT Inventory and the MNRE Network infrastructure. |

IT Helpdesk and Network Infrastructure:

- Email is the biggest issue; this is due to the staff members changing their passwords, not receiving emails and phishing emails.
- Ongoing management and maintenance of (15) servers in the main office, twenty (20) system servers at Meteorology Office at Mulinu, and a Back-up server at Forestry office, Vailima.
- Provided maintenance and support for 12 MNRE sites using Vodafone fibre and Samoa National Broadband Highway (SNBH).
- Ongoing maintenance and operation of 290 computer peripherals in the ministry.
- Ongoing maintenance and operation of 38 printers in the ministry.
- Ongoing maintenance and support of Emergency Radio and Siren network for Samoa.
- Ongoing maintenance and support of Met weather forecast and earthquake network.

Information Systems:

- Ongoing maintenance and support of all MNRE information systems conducted.
- Implementation and Supporting interact systems from various stakeholders as well as consultancy and project personnel’s
- Conduct information system trainings for staffs.
- Daily monitoring of all the systems backup

Achievements:

- Review of IT Policies and procedures conducted.
- New Water Resource office at Vailima now connected to the MNRE network using SNBH.
- New Kaspersky Total Security antivirus installed.
- SOLA system for the LMD and TD Division upgraded and installed.
- New template for MNRE Website installed.
- New PC sets for staffs and new printers for divisions installed.

CSU 1–LEGAL SERVICES DIVISION

“To provide sound and timely legal services for the Ministry to support the sustainable development of natural resources and the environment.”

The Legal Division assists and provides legal advice, draft any type of Agreements such as contracts, contract extensions or variations, memorandum of agreements or memorandum of understandings, letters of agreements and others, assistance with Divisional procurements for contractors, consultancy services, maintenance works, services and any other legal work required under various projects implemented by the Ministry. The Division is also actively involved in the pursuit of environmental litigations that the community reports to the Ministry or when the Ministry discovers during its monitoring.

- Leases of customary lands and government lands;
- Clearance of tender / procurement documents for bids;
- Contracts for services, consultancies, design and construction works, design and supervision works, construction works, demolition works, direct purchase for goods and services, employment and extension of retirement contracts;
- Memorandums and letters of understanding / memorandums and letters of agreement;
- Civil enforcement / civil litigation;
- Criminal / prosecution matters;
- Any other documents required for the effective discharge of the statutory duties of the Ministry.

During 2019 – 2020 the Legal Division highlights the following services and achievements in support of the work of the Ministry:

Achievements:

- Alienation of freehold land applications - 24
- All types of agreements Contracts - 34
- MOUs / LOAs
- Legislative reforms / Amendment Regulations / Policy:
 - i. Waste (Plastic Bag) Management Regulations 2020;
 - ii. Water Resources By-Laws 2019-2020 (multiple villages);
 - iii. Leasing and Licensing of Customary Land Amendment Act 2019;
 - iv. Tree Management Policy 2019
- Yearly divisional refresher trainings for authorised officers in carrying out their statutory investigative functions and capacity building pursuant to Divisional mandates;
- Enforcement and Compliance activities:
 - i. Monitoring / inspections conducted- 56

- ii. Investigations conducted - 13
- iii. Cases submitted to AGO for prosecution - 2
- iv. Environmental matters resolved without going to Court - 10

Analysis

Legislative reforms, Bills and policy developments are ongoing annually, these are as follows:

The *Leasing and Licensing of Customary Land Amendment Act 2019* was passed by Parliament and enacted on 1st July 2019 after 2 years of consultation with the Parliamentary Committee. The Law Reform Commission has just completed its review of the *Alienation of Freehold Land Amendment Bill* and will soon be referred to the Attorney General for vetting. *Forestry Resources Management Draft Regulations* will soon be finalised but awaiting approval of appropriate fees and levies from the Revenue Board before it is vetted by the Attorney General’s office. The *Water Resources Management Amendment Regulations 2019 – 2020* together with respective *Water Resource Bylaws 2019 – 2020* pertaining to multiple villages (Aufaga, Faleaseela, Fuluasou, Gasegase, Piu/Sapunaoa, Safua, Tapueleele, Vailoa and Tafitoala) have since been endorsed by the Head of State. The *Climate Change Bill* is on hold pending the outcome of consultations for the Climate Change Policy 2020, once the Policy is endorsed by the Cabinet, the Bill will then be revisited and revised before it is being consulted with its main stakeholders, and forwarded to the Attorney General’s office for its review and vetting. The *Waste (Plastic Bag) Management Amendment Regulations 2020* was endorsed early in January 2020 by the Head of State to postpone the date to ban styrofoam plastics.

A number of civil and criminal proceedings are pending for the Ministry, of these proceedings – 2 are criminal prosecutions pending since the last financial year, and the rest are civil proceedings

The Ministry continues to receive reports and support from the community on illegal sand-mining, illegal forestry operations (logging), littering / dumping of wastes on vacant lands, illegal captivity of wildlife, continuous supply of and usage of banned plastic bags and various other environmental offences. Ongoing legal support to the Office of the Attorney General continues for both civil and criminal litigations.

CSU 2– CORPORATE SERVICES DIVISION

To provide efficient HRM and financial services and effective capacity building an public awareness to support sustainable development of natural resources and the environment.”

The Corporate Service division comprises of 3 sections:

- (a) Administration & HR Section
- (b) Capacity Building Section
- (c) Finance Section

ADMINISTRATION & HR SECTION

| Recruitment | |
|---------------------------|----|
| Renew Contracts for ACEOs | 1 |
| Promotions | 18 |
| Project Appointments | 0 |
| New Recruits (Permanent) | 26 |
| Extension Retirees | 17 |
| Reclassification | 0 |

| Staff Turnover | |
|-------------------------------|----|
| Resignations | 18 |
| Terminations for Disciplinary | 11 |
| Retirement | 4 |
| Project Field Assistants End | 0 |

| Irregularity Reports | |
|----------------------|----|
| Vehicles | 10 |
| Fixed Asset | 0 |

| Registered Assets | | |
|---------------------------|-----|---------------|
| Total Asset as of FY19/20 | 163 | \$925,789.000 |
| New Procurement (Local) | 91 | \$387,786.75 |
| New Procurement (Project) | 72 | \$538,002.25 |
| Vehicles FY19/20 | 1 | |

CAPACITY BUILDING SECTION

The Capacity Building Section provides effective and efficient services for HR management and staff development through capacity building, environmental education and public awareness programs/initiatives.

This section continues to provide and deliver effective and efficient HR services to all Divisions towards achieving its organizational objectives/goals which contributes to the success of the Ministry. These includes the provision of services through capacity building initiatives, public awareness and environment educational programs for schools and communities, assist with the coordination of national awareness events as well as the compilation of corporate documents.

Trainings & Meetings

As tabulated in Table 1 below, there were 91 training opportunities which benefited the MNRE personnel from different Divisions within this Financial Year. These trainings paved the way for staff to receive professional development in terms of enhancing

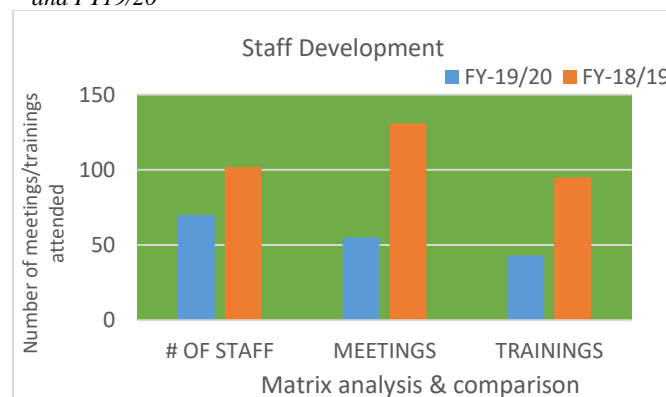
knowledge and skills, information sharing, application of practical ideas generated from new learning environments and how to address and overcome different issues and challenges that they are exposed to while serving in their respective fields. In addition, the divisions with the most number of trainings are DEC, MET and WSCU. This indicates that these divisions conducted its technical trainings overseas due to the limited resources and tools available to conduct such trainings in Samoa.

Table 1: Training and Meetings

| Division | # of Staff | Meetings | Trainings | Total | |
|-----------------|------------|------------|-----------|-----------|------------|
| | | FY 19/20 | | FY 19/20 | FY 18/19 |
| MIN | 1 | 2 | - | 2 | 9 |
| AMIN | 1 | 1 | - | 2 | 3 |
| CEO | 1 | 7 | - | 7 | 15 |
| RED | 4 | 4 | 4 | 8 | 12 |
| ESCU | 4 | 1 | 2 | 3 | 5 |
| CCGEF | 3 | 3 | 2 | 5 | 8 |
| ICT | 1 | 1 | - | 1 | 5 |
| CSD | 2 | - | 2 | 2 | 17 |
| LEGAL | 3 | 2 | 1 | 3 | 8 |
| LMD | 1 | 1 | - | 1 | 7 |
| SIA | 4 | - | 4 | 4 | 8 |
| DEC | 12 | 8 | 8 | 8 | 31 |
| FOR | 5 | 1 | 3 | 4 | 12 |
| MET | 11 | 5 | 8 | 13 | 44 |
| WRD | 4 | 1 | 3 | 4 | 9 |
| DMO | 10 | 13 | 3 | 16 | 16 |
| WSCU | 3 | 5 | 3 | 8 | 26 |
| FY-19/20 | 70 | 55 | 43 | 91 | - |
| FY-18/19 | 102 | 131 | 95 | - | 254 |

The comparison of trainings and meetings between FY18/19 & FY19/20 reflects a huge difference in data due to the Measles Epidemic and the world crisis Covid19 pandemic as further clarified in the chart

Figure 1: Comparison of Trainings & Meetings between FY18/19 and FY19/20



As shown in Figure 1 above, the total number of trainings for FY18/19 is 254 which was attended by a number of 102 staff members of MNRE. In comparison

to the current FY19/20 data, the number of trainings has now reduced to 91 and it was attended by a number of only 70 employees. This depicts that overseas trainings can be a tool for effective ways of learning new skills and to build capacity for the staff. However, Measles Epidemic and COVID-19 Pandemic has greatly influenced the staff development in a negative way. In this sense, most scheduled meetings for staff members which were to be held overseas were cancelled thus placing a huge impact on meeting deadlines to achieve set out targets for MNRE.

In - House Training

- Conduct six (6) Induction Trainings for this year (4-Upolu and 2-Savaii)
- Conduct 2 refresher courses for staff on Performance Management System
- Complete 28 Continuous Learning Session for this year

Compilation of Corporate Documents

- Management Plan FY 2018/19
- Annual Report FY 2018/19
- Complete compilation of the revised MNRE Corporate
- Plan -7th Plan
- Review and update Service Charter
- All Documents posted on the social media (website and facebook)

National Environment Event

- International Ozone Day
- World Wetland Day 2019
- World Water & Forest Day 2019
- World Soil and Land Week 2019

Media & Communication

- Managing of the Ministry's Facebook page (Ministry of Natural Resources and Environment Samoa), continued to promote understanding and awareness amongst the general public on various environmental concerns
- MNRE Monthly Newsletter which highlights combination of events during each month continues to capture the interest of numerous stakeholders and promote collaboration and information sharing amongst the Divisions on activities.
- MNRE Website

FINANCE SECTION

Financial Performance

| Summary Of Budget For Financial Year Ending 30th June 2019 | Outputs |
|--|---------------------|
| Annual Approved Budget FY 2019- | 12,899,511 |
| Approved Personnel | 10,486,088 |
| Approved Operating | 2,413,423 |
| Spending | 12,640,998 |
| | 258,513 |
| Transactions On Behalf Of The State | |
| Approved Budget for FY 2019-2020 | 11,814,021.00 |
| Less Spending | 10,266,619.00 |
| | 1,547,402.00 |
| Remaining Balance | 1,805,915.00 |

1 Expenditures

The overall utilization for the Ministry budget both personnel and operations is at 98%.

a) Analysis on Output Expenditure (refer Table1)

1. Note that all Outputs show total utilization (Personnel&Operations) which ranges from 96-100% except for Output 2820 that was over by 101%.
2. The over expenditures of 104% for Personnel under Ministerial support output is associated with staff benefit.

b) Transactions on Behalf of State

- Membership fees and grants shows and overall utilization at 68% (refer Table2)
- Low utilization is due to the following; no invoices submitted for the WMO Membership and some of the International Conventions eg; Rotterdam Convention, Stockholm Convention, Basel Convention, despite follow-ups with Focal Points.

c) Counterpart Costs (Refer Table 3)

Total utilization at 79%

- Rents & Lease – The variance of \$104,216 in Rent and Lease for the Tatte Building is tax calculation on finance one, due to over-estimated budget amount.
- Customary Land for Observation Stations and Towers remaining funds are for AWS stations to be surveyed.
- Co-location Digicel lease remaining balance due to their new contract offered us a low price for monthly rent and lease of co-location.
- Roads for Land Board Leased land, remaining funds were rolled over for the FY2020/21.
- VAGST Output tax, remaining funds is for May-June 2020 tax,Mof to process.

d) d. Government Policies/Initiatives (Refer Table 4 with comments)

Total utilization at 90%

- Remaining funds are from national events e.g. Energy Day, event cancelled due to Measles/Covid 19.
- Low utilization% noted for the following reasons; no events held due to Measles/Covid 19 and unpaid invoices for June delay submitted.
- Remaining funds for Falefa Watershed Area River Bank is for retention of construction contract.
- Water Sector Research Initiatives & Impact Assessment funds rolled over for FY2020/21.

e) e. Revenues (Refer Table 5)

- The Ministry collected 76% overall collection of its annual budget recoveries for the financial year. This is due to SOE- Measles/Covid-19.
- Output 3- Land Management collection is 74%, less number applications for reclamation works and Land registrations.
- Output 4 – Land Technical collections is 70%, less number for Digitizing works and also the surveyor works has been outsourced to private businesses.
- Output 7 – Meteorological collected 6%, due to revenue is subject to the demand for the use of the drilling rig, perhaps the estimated revenue is too high.

Other outputs recorded high collection such as;

- Output 5 – Environment Services collected 316% from waste fees and outstanding invoices paid.
- Output 6 – Forestry, Planning, Research collected 199% due to increase number for Development consent issued.
- Output 9 – Sustainable Water Resources collected 175% due to increase requests for Water license received by the Ministry.

| | |
|------------------------------------|---------------------|
| Annual Recoveries for FY 2019-2020 | 5,260,982.00 |
| Actual Recoveries Collected | 4,004,084.00 |
| Under/ (Over collection) | 1,256,898.00 |

Annex 1: Approved Budget for the Financial Year 2019/2020

extracted from Finance One system

Table 1: Output Expenditures

| OUTPUTS PROVIDED BY MINISTRY | COST POOL | ACTUALS | UTILISATION % | BUDGET | VARIANCE | ORIGINAL BUDGET |
|---|--------------|---------------------|---------------|---------------------|------------------|---------------------|
| 2810 - Policy Advice to the Minister of Environment | Personnel | 733,818.00 | 100% | 730,994.00 | (2824.00) | 738,880.00 |
| | Operating | 165,214.00 | 99% | 167,340.00 | 2126.00 | 167,340.00 |
| | Capital | 9,099.00 | 100% | 9127.00 | 28.00 | |
| | TOTAL | 1,019,660.00 | 100% | 1,020,152.00 | 492.00 | 906,220.00 |
| 2820 - Ministerial Support | Personnel | 226,947.00 | 104% | 217,638.00 | (9309.00) | 214,968.00 |
| | Operating | 221,741.00 | 100% | 221,933.00 | 192.00 | 269,199.00 |
| | Capital | 47,266.00 | 100% | 47,266.00 | 0 | |
| | TOTAL | 655,280.00 | 101% | 647,824.00 | (7456.00) | 484,167.00 |
| 2830 - Land Management | Personnel | 996,751.00 | 96% | 1,035,285.00 | 38,534.00 | 1,104,831.00 |
| | Operating | 125,551.00 | 100% | 125,740.00 | 189.00 | 105,740.00 |
| | Capital | 48,892.00 | 100% | 48,966.00 | 74.00 | |
| | TOTAL | 1,298,656.00 | 97% | 1,338,780.00 | 40,124.00 | 1,210,571.00 |
| 2840 - Land Technical Services | Personnel | 785,665.00 | 98% | 802,373.00 | 16,708.00 | 849,018.00 |
| | Operating | 91,004.00 | 100% | 91,010.00 | 6.00 | 91,010.00 |
| | Capital | 46,329.00 | 99% | 46,645.00 | 316.00 | |
| | TOTAL | 1,018,594.00 | 98% | 1,036,619.00 | 18,025.00 | 940,028.00 |
| 2850 - Environment Services | Personnel | 1,276,302.00 | 99% | 1,284,841.00 | 8539.00 | 1,223,236.00 |
| | Operating | 190,905.00 | 100% | 190,970.00 | 65.00 | 170,970.00 |
| | Capital | | | | | |
| | TOTAL | 1,642,466.00 | 99% | 1,652,896.00 | 10,430.00 | 1,394,206.00 |
| 2860 - Forestry Mgmt, Planning, Research Service | Personnel | 1,462,438.00 | 97% | 1,503,583.00 | 41,145.00 | 1,571,921.00 |
| | Operating | 226,428.00 | 100% | 226,710.00 | 282.00 | 226,710.00 |
| | Capital | 48,800.00 | 100% | 48,918.00 | 118.00 | |
| | TOTAL | 1,912,924.00 | 98% | 1,956,296.00 | 43,372.00 | 1,798,631.00 |
| 2870 - Meteorological, Hydrological, Geological | Personnel | 1,234,892.00 | 96% | 1,284,614.00 | 49,722.00 | 1,254,614.00 |
| | Operating | 391,755.00 | 100% | 391,852.00 | 97.00 | 421,852.00 |
| | Capital | | | | | |
| | TOTAL | 1,817,796.00 | 97% | 1,869,650.00 | 51,854.00 | 1,676,466.00 |
| 2881 - Sustainable Water Resources Mgmt | Personnel | 790,623.00 | 97% | 816,381.00 | 25,758.00 | 836,959.00 |
| | Operating | 84,938.00 | 100% | 84,940.00 | 2.00 | 84,940.00 |
| | Capital | 115,247.00 | 89% | 129,279.00 | 14,032.00 | |
| | TOTAL | 1,165,974.00 | 97% | 1,207,685.00 | 41,619.00 | 921,899.00 |
| 2882 - Disaster Management | Personnel | 442,077.00 | 98% | 450,533.00 | 8,456.00 | 437,514.00 |
| | Operating | 119,122.00 | 100% | 119,478.00 | 356.00 | 96,078.00 |
| | Capital | 16,474.00 | 100% | 16,510.00 | 36.00 | |
| | TOTAL | 705,133.00 | 99% | 715,309.00 | 10,176.00 | 533,592.00 |
| 2883 - Water Sector Co-ordination Unit | Personnel | 303,920.00 | 97% | 312,085.00 | 8,165.00 | 312,085.00 |
| | Operating | 494,458.00 | 100% | 494,570.00 | 112.00 | 494,570.00 |
| | Capital | 29,757.00 | 50% | 60,000.00 | 30,243.00 | |
| | TOTAL | 955,596.00 | 96% | 995,444.00 | 39,848.00 | 806,655.00 |
| 2884 - Information and Communication Technology | Personnel | 227,814.00 | 97% | 234,465.00 | 6,651.00 | 283,828.00 |
| | Operating | 47,382.00 | 99% | 47,940.00 | 558.00 | 47,940.00 |
| | Capital | 46,263.00 | 97% | 47,663.00 | 1400.00 | |
| | TOTAL | 448,919.00 | 99% | 458,856.00 | 9937.00 | 331,768.00 |
| 2891 - Central Services Unit 1 | Personnel | 257,664.00 | 95% | 270,050.00 | 12,386.00 | 270,050.00 |
| | Operating | 17,662.00 | 100% | 17,720.00 | 58.00 | 17,720.00 |
| | TOTAL | 275,326.00 | 96% | 287,770.00 | 12,444.00 | 287,770.00 |
| 2892 - Central Services Unit 2 | Personnel | 1,074,633.00 | 100% | 1,075,670.00 | 1,037.00 | 1,088,873.00 |
| | Operating | 233,050.00 | 100% | 233,220.00 | 170.00 | 233,220.00 |
| | Capital | 13,050.00 | 99% | 13,203.00 | 153.00 | |
| | TOTAL | 1,320,733.00 | 100% | 1,322,093.00 | 1360.00 | 1,322,093.00 |

Transactions on Behalf of the State: Annual Review FY 19-20
Cost Breakdown extracted from Finance One system

Table 2: Membership Fees & Grants

| | <i>ACTUALS</i> | <i>ORIGINAL ESTIMATE</i> | <i>UTILISATION %</i> | <i>FINAL ESTIMATE</i> | <i>FUNDS REMAIN.</i> | <i>Comments</i> |
|---|----------------|--------------------------|----------------------|-----------------------|----------------------|--|
| D08 - World Meteorological Organisation | 0 | 50,000 | 0 | 50,000 | 50,000 | No Invoice submitted |
| D29 - Union Conservation of Nature, International | 60,233 | 70,000 | 86% | 70,000 | 9767 | Remaining balance from Invoice received |
| D30 - SPREP Work Programme | 120,000 | 120,000 | 100% | 120000 | 0 | On Target |
| D31 - UNFCC | 2121 | 3900 | 54% | 3900 | 1779 | Remaining balance from invoice received |
| D51 - Biological Diversity Convention | 0 | 609 | 0% | 609 | 609 | The invoice is yet to receive from the secretariat of the Convention |
| D54 - Rotterdam Convention | 0 | 4000 | 0% | 4000 | 4000 | No Invoice submitted |
| D55 - Migratory Species Convention | 92 | 1500 | 6% | 1500 | 1408 | Updated Invoice for fy19-20 yet to receive |
| D57 - UN Convention to Combat Desertification | 704 | 2000 | 35% | 2000 | 1296 | Remaining balance from invoice received |
| D58 - UN Environment Programme (UNEP) | 2000 | 2000 | 100% | 2000 | 0 | On Target |
| D59 - Stockholm Convention (US1500) | 0 | 2000 | 0% | 2000 | 2000 | No Invoice submitted |
| D60 - Basel Convention (US 1000) | 0 | 3500 | 0% | 3500 | 3500 | No Invoice submitted |
| D76 - Commonwealth Forestry Association - London | 800 | 800 | 100% | 800 | 0 | On Target |
| D77 - Asian Pacific Association of Forestry Re | 0 | 200 | 0% | 200 | 200 | No Invoice submitted |
| D92 - RAMSAR Convention | 30 | 6818 | .4% | 6818 | 6788 | No Invoice submitted |
| D97 - Heritage (US33) | 0 | 100 | 0% | 100 | 100 | No Invoice submitted |
| D98 - Waigani Convention (US 1500) | 67 | 5000 | 1% | 5000 | 4933 | No Invoice submitted |
| E02 - CITES - Trust Fund | 0 | 300 | 0% | 300 | 300 | No Invoice submitted |
| E03 - IRENA - International Renewable Energy Agency | 607 | 968 | 63% | 968 | 361 | Remaining balance from invoice received |
| Total | 186,654 | 273,695 | 68% | 273,695 | 87,041 | |

Table 3: Counterpart Costs

| | <i>ACTUALS</i> | <i>ORIGINAL ESTIMATE</i> | <i>UTILISATION %</i> | <i>FINAL ESTIMATE</i> | <i>FUNDS REMAIN</i> | <i>Comments</i> |
|---|------------------|--------------------------|----------------------|-----------------------|---------------------|--|
| G23 - Rents & Leases | 694,776 | 798,992 | 87% | 798,992 | 104,216 | Over-estimate budget amount, remaining balance from invoice received |
| G46 - Customary Land for Observation Stations and Towers | 6000 | 51,000 | 12% | 51,000 | 45,000 | Remaining balance for AWS stations to be surveyed |
| G63 - Co-location Digicel lease | 211,428 | 386,436 | 55% | 386,436 | 175,008 | Remaining balance due to new contract with Digicel has drop down the monthly rent and lease for Co Location. |
| J46 - Roads for Land Board Leased Lands | 292,130 | 500,000 | 58% | 500,000 | 207,870 | Roll Over for FY20/21 |
| J45 - PEEP - Phase 2 (Promoting Energy Efficiency in the Pacific) | 0 | 0 | 0 | 0 | 0 | |
| Q01 - VAGST Output Tax | 1,264,097 | 1,377,440 | 92% | 1,377,440 | 113,343 | Mof to process remaining tax |
| Total | 2,468,431 | 3,113,868 | 79% | 3,113,868 | 645,437 | |

Table 4: Government Policies/Initiatives

| | ACTUALS | ORIGINAL ESTIMATE | UTILISATION % | FINAL ESTIMATE | FUNDS REMAIN. | Comments |
|--|---------------------|---------------------|---------------|------------------|----------------|---|
| G70 – Pacific Water and Waste Water Office lease | 100,000 | 100,000 | 100% | 100,000 | 0 | On Target |
| L18 - Biodiversity Day | 0 | 20,000 | | 0 | 0 | Used in the 3 rd Supplementary for salaries overspend, when Event cancelled due to measles/Covid 19 |
| L19 - World Water Day | 0 | 25,000 | | 0 | 0 | Used in the 3 rd Supplementary for salaries overspend, when Event cancelled due to measles/Covid 19 |
| L20 - World Wetlands Day | 0 | 20,000 | | 0 | 0 | Used in the 3 rd Supplementary for salaries overspend, when Event cancelled due to measles/Covid 19 |
| L21 - Sanitation Day | 10,913 | 20,000 | 100% | 0 | -10,913 | Used in the 3 rd Supplementary for salaries overspend- Funds utilized for preparation in advance but event cancelled due to Measles/Covid 19 |
| L23 - UNCCD Land Day | 0 | 20,000 | | 0 | 0 | Used in the 3 rd Supplementary for salaries overspend, when Event cancelled due to measles/Covid 19 |
| L25 – Energy Day | 0 | 15,000 | 0 | 15,000 | 15000 | Event cancelled due to Measles/Covid 19 |
| Q19 - Waste Management Service Contracts | 3,657,328 | 3,880,553 | 94% | 3,880,553 | 223,225 | Remaining for June invoice not paid |
| Q20 - Land Compensation | 2,000,000 | 2,000,000 | 100% | 2,000,000 | 0 | On Target |
| Q35 - Land Registration / Leasing Commission | 63,816 | 66,000 | 97% | 66,000 | 2,184 | Remaining balance of Delay invoice submitted |
| Q46 - Sludge Maintenance Contract(Upolu Savaii) | 141,600 | 164,100 | 86% | 164,100 | 22,500 | Remaining for June invoice not paid |
| Q56 - Plumbers Association | 0 | 0 | 0 | 0 | 0 | |
| Q57 - National Environment Week | 39,950 | 40,000 | 100% | 40,000 | 50 | On Target |
| Q58 - Customary Land Advisory Commission | 159,332 | 163,804 | 97% | 163,804 | 4472 | Remaining invoice for June delay submitted |
| R56 - NPF Land Compensation (Maloloelei-Catholic) | 0 | 0 | 0 | 0 | 0 | |
| R57 - Water Sector Annual Review | 24,060 | 40,000 | 60% | 40,000 | 15,940 | Preparations were made in advance but then event got cancelled due to Measles/Covid 19 |
| R58 - Water Sector Research Initiative & Impact Assessment | 0 | 80,000 | 0 | 80,000 | 80,000 | Researches planned for Rainwater Tanks Mapping and Water Quality Testing were deferred to FY 20/21 due to COVID19 restrictions. |
| R75 - Institute of Professional Engineer Society | 0 | 0 | 0 | 0 | 0 | |
| R76 - Public Toilet Maintenance and Cleaning | 290,900 | 330,000 | 88% | 330,000 | 39,100 | Remaining invoice for June not paid |
| R77 - Millennium Development Goals | 9029 | 10,000 | 90% | 10000 | 971 | Remaining balance from invoice received |
| S11 – Lawn Maintenance | 229,941 | 245,000 | 94% | 245,000 | 15,059 | Invoice for June not paid |
| S29- Garden Toilets | 86,957 | 100,000 | 87% | 100,000 | 13,043 | Funds disbursed to STA for maintenance of 12 garden toilets already in place |
| S30 – Falefa Watershed Area River Bank Protection | 139,535 | 160,000 | 87% | 160,000 | 20,465 | All relevant payments completed for this project and awaiting payments for retention of construction contract |
| S53 – Technical Assistance/Professional Service-Water Sector | 177,671 | 285,000 | 62% | 285,000 | 107,329 | Funds remaining were for the implementation of the Capacity Building Action Plan including contract payment for Oloamanu (Training provider) and implementation of trainings. All trainings with Oloamanu were deferred to FY 20/21 due to COVID 19 gathering |
| S54 – Rainfall Harvesting Program | 0 | 200,000 | 0 | 200,000 | 200,000 | Funds approved for rollover to FY 20/21 for the 4th Rainwater Harvesting Program for the sector. Delay of activity was due to COVID19 restrictions on gathering/ |
| S55 – Land Compensation – Water Sector | 450,000 | 450,000 | 100% | 450,000 | 0 | On Target |
| S86 – Regulator (Annual Fees) | 0 | 32,000 | 0 | 32000 | 32,000 | No invoice submitted |
| S88 – Renovation of Maota Office Savaii | 0 | 0 | 0 | 0 | 0 | |
| S95 – Electricity Bill for Digicel Post | 30,502 | 65,000 | 47% | 65,000 | 34,498 | Invoice for June not paid delay submitted |
| Total | 7,611,534.00 | 8,531,457.00 | 90% | 8,426,457 | 814,923 | |

Table 5: Revenues

| REVENUES | ACTUALS | YTD | UTILISATION % | BUDGET | (OVER)/UNDER | YTD BUDGET |
|---|---------------------|---------------------|---------------|---------------------|---------------------|---------------------|
| 2830 - Land Management | 3,718,231.00 | 3,718,231.00 | 74% | 5,000,000.00 | 1,281,769.00 | 3,718,231.00 |
| 2840 - Land Technical Services | 26,687.00 | 26,687.00 | 70% | 38,149.00 | 11,462.00 | 26,687.00 |
| 2850 - Environment Services | 217,772.00 | 217,772.00 | 316% | 68,851.00 | (148,921.00) | 217,772.00 |
| 2860 - Forestry Mgmt, Planning, Research Service | 20,568.00 | 20,568.00 | 199% | 10,322.00 | (10,246.00) | 20,568.00 |
| 2870 - Meteorological, Hydrological, Geo- logical | 8,693.00 | 8,693.00 | 6% | 137,060.00 | 128,367.00 | 8,693.00 |
| 2880 - Planning & Urban Management Services | 1633.00 | 1633.00 | | | (1633.00) | 1633.00 |
| 2881 - Sustainable Water Resources Mgmt | 10,500.00 | 10,500.00 | 175% | 6,000.00 | (4,500.00) | 10,500.00 |
| TOTAL | 4,004,084.00 | 4,004,084.00 | 76% | 5,260,982.00 | 1,256,890.00 | 4,004,084.00 |

Table 6: General Ledger

| GENERAL LEDGER SUMMARY | ACTUALS | YTD | UTILISATION % | BUDGET | FUNDS REMAIN. | YTD BUDGET |
|------------------------------------|-------------------|-------------------|---------------|-------------------|---------------------|-------------------|
| Output Provided by Ministry | 12,640,998 | 12,640,998 | 98% | 12,899,511 | 258,513.00 | 12,640,998 |
| Transaction on Behalf of the State | 10,266,619 | 10,266,619 | 87% | 11,814,021 | 1,547,402.00 | 10,266,619 |
| TOTAL | 22,907,617 | 22,907,617 | 93% | 24,713,532 | 1,805,915.00 | 22,907,617 |

Table 7: Budget Summary

| SUMMARY BY BUDGET CATEGORY | ACTUALS | YTD | UTILISATION % | BUDGET | FUNDS REMAIN. | YTD BUDGET |
|----------------------------|-------------------|-------------------|---------------|-------------------|----------------|-------------------|
| CAPITAL - Capital | 421,177 | 421,177 | 90% | 467,577 | 46,400 | 421,177 |
| OPERATNG - Operating | 2,406,366 | 2,406,366 | 100% | 2,413,423 | 7,057 | 2,406,366 |
| PRSONNEL - Personnel | 9,813,455 | 9,813,455 | 98% | 10,018,511 | 205,056 | 9,813,455 |
| TOTAL | 12,640,998 | 12,640,998 | 98% | 12,899,511 | 258,513 | 12,640,998 |

ANNEX 2: PROJECT MATRIX

| Active Projects/Project Name | Project Objectives and Outcomes | Progress to date (From July 2019 to June 2020) |
|--|--|--|
| <p>1</p> <p>Project Name: Enhancing Climate Resilience of Coastal Resources & Communities (PPCR Project)</p> <p>Development Partner: IDA/World Bank</p> <p>Total Funding: USD14.6 Million</p> <p>Timeframe: 2013 – 2021</p> <p>Focal Point: MNRE & MOF</p> <p>Project Management: KVA Consult</p> <p>Implementing Partners: SWA, LTA , MAF, MWTI, MWCSO, MOH</p> <p>% Delivery rate to date: 73%</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> To support coastal communities to become more resilient to climate variability and change <p>Project Outcomes:</p> <ul style="list-style-type: none"> Implementation of Priority Adaptation Measures to Manage Climate & Disaster-related Threats Strengthened Climate In-formation Services. Institutional strengthening for climate & disaster resilience, project coordination & monitoring <p>Names of 16 Districts:</p> <ol style="list-style-type: none"> Aana Alofi 1 Aana Alofi 2 Aana Alofi 3 Aleipata itupa i lalo Aleipata itupa i luga Falealili Faleata east Faleata west Gagaemauga 1 Gagaifomauga 3 Lepa Lotofaga Palauli East and Tafua tai Palauli West Sagaga le Falefa Sagaga le Usoga | <ol style="list-style-type: none"> Complete development and formulation of CIM Plans for 43 districts. Official printing of both English and Samoan copies in progress <p>District sub project Strengthening monitoring of marine and coastal ecosystems as an adaptive measure to safeguard biodiversity and enhance the resilience and adaptive capability of communities against climate change (Aleipata and Falealili)</p> <ol style="list-style-type: none"> Project Coordinator and Marine Specialist recruited. Completed 2 initial meetings with reps of Aleipata and Falealili to introduce the project and endorse their support and engagement in its implementation. Completed four (4) capacity building activities for communities and MNRE staff on survey methodology at Aleipata and Falealili. Completed four (4) technical assessment for; Aleipata District MPA and Mangrove habitats of Lotopue-Malaela, Poutasi and Vaovai. Initial draft reports developed and circulated for review. Completed four (4) initial consultations for; Aleipata districts (Aleipata MPA and Lotopue-Malaela Mangrove), and Falealili district (Poutasi and Vaovai Mangrove) on the outcome of technical assessments and developing Management Plans. Initial draft of 3 mangrove management plans developed. Completed construction of the marine storage facility. <p>Awareness materials:</p> <ol style="list-style-type: none"> Developed and produced 2 Pull up Banners (MPA and Mangroves) and 1 Poster (MPA) while 1 MPA Brochure is in draft and reviewing phase. TV Ads script in drafts (MPA and Mangroves). On-going liaison with service provider on the production and editing of the ads. Draft 6 sign board (3 MPA, 3 mangroves). Completed BIORAP survey for climate change long term monitoring of the cloud forest and lowland forest. Completed training for the community on methods to monitor changes and also awareness on the significance of the project. Completed and signed the MOU between Aopo and MNRE for the project. Completed community consultations with all four villages of Gagaifomauga No3 to consult on project activities and implementations. Completed the design for the Aopo Monitoring Base station with support of KVA . Completed progress report and meetings for the CRSC committee. |
| <p>2</p> <p>Strengthening Multi Sector Management of Critical Landscapes (SMSMCL) Project</p> <p>Development Partner: GEF / UNDP</p> | <p>Project Outcomes:</p> <ul style="list-style-type: none"> Communities and farmers are able to undertake and benefit from integrated land and water management; | <p>20. COMPLETE</p> |

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| | <p>Total Funding: USD4,736,363..7 Million</p> <p>Timeframe: 2014 – 2019</p> <p>Responsible Division/Focal Point: Land Management Division</p> <p>Implementing Partners: MAF, CSSP, SFA, FFI, WIBDI, METI</p> <p>% Delivery rate to date: 100%</p> | <ul style="list-style-type: none"> Strengthened national enabling environment to promote integrated landscape management through local households and communities; <p>Project sites</p> <ul style="list-style-type: none"> 126 Villages from 13 cluster districts within Upolu, Savaii, Manono and Apolima. Selection of cluster districts was primarily based on the result of the initial assessment of sites that were considered highly impacted by land degradation issues but not the electoral districts. | |
| 3 | <p>Enhancing integrated sustainable management to safeguard Samoa's natural resources</p> <p>(The development of the next project under the GEF replenishment cycle 7 Project):</p> <p>Total Funding :\$3,502,968 Focal Point- CCGEF</p> <p>% Delivery rate to date -0%</p> | | <ol style="list-style-type: none"> The concept or the project identification form (PIF) was submitted after conducting 3 wider stakeholder consultations for the formulation of the concept. - submission to GEF council and approval of the GEF 7 project proposal in May 2020 for Samoa's project Development of the Project Preparation of the full project document is in planning stages which is slowed down due to the COVID restrictions. |
| 4 | <p>EDF10 ACP EU Building Safety and Resilience in the Pacific</p> <p>Responsible Division/Focal Point</p> <p>Development Partner: European Union</p> <p>Total Funding: EURO540,000</p> <p>Timeframe: 2014 – 2018</p> <p>Responsible Division/Focal Point: Disaster Management Office (DMO)</p> <p>% Delivery rate to date: 60%</p> | <p>Projective Objective:</p> <ul style="list-style-type: none"> To reduce vulnerability as well as the social, economic and environmental costs of natural disasters in Samoa | <ol style="list-style-type: none"> Designs for the National Emergency Operation Centre (NEOC) and Search and Rescue (SAR) Facilities in place. Construction of SAR will be funded under this project, while construction of the NEOC building will be funded under the PREP project. Tender for construction of the NEOC underway. Completed mainstreaming workshops for 11 sectors Mainstreaming of DRM and CC Guideline, DRM National Plan 2017-2020, NDMP 2017-2020, and Legal Review Report of the DEM Act 2007; The Samoa Emergency Management Alliance workshop, Australasian Inter-service Incident Management Systems Training for emergency services and first response agencies completed; Completed Fire Reduction Strategy to facilitate capacity building for emergency services in Samoa on fire investigation, hazardous materials response, SARs, etc and SARs equipment; Planning for implementation of the Effectiveness Survey to find out the level of understanding of the public of DRM based on past awareness program underway. Baseline information from the survey will inform new and future awareness programs |
| 5 | <p>Economy Wide Integration of Climate Change (EWACC) Project</p> <p>Development Partner: GEF / UNDP</p> <p>Total Funding: USD\$12.322,936 Million</p> <p>Timeframe: 2015 – 2021</p> <p>Responsible Division/Focal Point: GEF / Climate Change</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> To establish an economy-wide approach to climate change adaptation and DRM in Samoa. This approach will support the integration and management of climate change adaptation and DRM within national development planning and programming frameworks, enhancing the resilience of Samoan communities to the expected effects of climate change | <p>Component 1: Strategic integration of climate change adaptation and disaster risk management in national policy frameworks and development planning through an economy-wide approach</p> <ol style="list-style-type: none"> Complete construction of Vaisigano Segment One Flood Protection Wall Completion of the construction of River flood protection along the Vaisigano catchment for Segment 1 Funded minor works - drenching and deepening of waterways in catchments in the greater Apia Urban Area (Gasegase, Fuluasou. Loimata o Apaula, Fagalii Catchments) prior to the raining seasons to |

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| | % Delivery rate to date: 75% | such as climate –induced natural disasters | <p>minimise river overflow and flooding. Phase Two of similar works in planning stages</p> <p>Component 2: Enhance resilience of communities as first responders of climate change-induced hazards</p> <p>33. Approximately 454 beneficiaries for the improving livelihoods component in collaboration with MWCSO in progressing the ongoing environmental programme initiatives within this financial year</p> <p>34. The roll-out of the Community Disaster and Climate Risk Management (CDCDRM) programme with DMO and first responder agencies such as the Samoa Red Cross Society and ADRA has seen twelve (12) villages (Salani, Vailoa, Utufaalalafa, Lotopue, Saleaumua, Mutiatele, Malaela, Satitua, Ulutogia, Lalomanu, Saleapaga, Lepa) completing CDCRM in this financial year. Another 10 villages is in the pipeline for the next financial year.</p> <p>Component 3: Knowledge about cca/drm is captured and shared at the regional and global level</p> <p>35. Support the 2 million Tree Planting Campaign under the Forestry Division</p> <p>36. Support initiatives under the Reef to Ridge project as the South-South Corporation of GEF Projects</p> <p>37. Facilitation of several high-level visits including regional and international delegations and donors' site-visits to project sites for their site inspections such as the official visits from the UNDP Senior Management Staff, Ms Valerie Cliff - the UNDP Deputy Regional Director for Asia and the Pacific.</p> <p>Component 4: Project Management</p> <p>38. Technical Advisory Group quarterly meetings FY19/20</p> <p>39. Approval of a 12months Project Extension to November 2021</p> <p>40. Moderately satisfactory in performance according to the Project Implementation Report (2018/19) for this project</p> |
| 6 | <p>Review and Update of the National Implementation Plan (NIP) for Persistent Organic Pollutants (POPs) under the Stockholm Convention</p> <p>Development Partner: GEF & Climate Change/United Nations Environment Programme (UNEP)</p> <p>Total Funding: USD125,000</p> <p>Timeframe: 2016 – 2018</p> <p>Implementing Focal Point: Division of Environment and Conservation</p> <p>% Delivery rate to date: 99%</p> | <p>Project Objective: To review and update the National Implementation Plan (NIP) for POPs</p> | <p>41. Final Review and Update National Implementation Plan (NIP) for Persistent Organic Pollutants (POPs) under the Stockholm Convention for Samoa was compiled, finalized, endorsed and launched during the National Environment Week celebration in November 2019.</p> <p>42. The final report was submitted to MFAT for transmission to the Stockholm Secretariat as per Article 7 of the Convention.</p> <ul style="list-style-type: none"> Closure of the project is in progress, with the audit procedures by MOF. |
| 7 | <p>Implementation of Disaster Risk Management in the Pacific Programme</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> This project focuses on strengthening disaster risk | <p>43. Completed Household Survey in 12 villages under the Community Disaster Climate Risks Management (CDCRM) Program;</p> <p>44. CDCRM workshops conducted in Savaia and</p> |

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| | <p>Development Partner: Government of New Zealand’s Ministry of Foreign Affairs and Trade and Ministry of Civil Defence and Emergency Management (MFAT & MCDEM Partnership)</p> <p>Total Funding: NZD903,000</p> <p>Timeframe:2016 - 2019</p> <p>Responsible Division/Focal Point: Disaster Management Office (DMO)</p> <p>% Delivery rate to date: 70%</p> | <p>management in Samoa through community based awareness and contingency planning, public awareness through media, simulations exercises, support for the maintenance of the emergency radio network and sirens, and capacity building the DMO and sectors.</p> <p>Project Outcome:</p> <ul style="list-style-type: none"> Strengthened disaster risk management across reduction, readiness, response and recovery in targeted Pacific Island countries | <p>Lalovi with villages of Fuailolo'o, Apolima-tai and Satuimalulufi to be consulted next;</p> <p>45. Ongoing maintenance of the Emergency Relief Network (ERN) and Emergency Siren Network (ESN);</p> <p>46. Completed one major exercise on PACWAVE involving different sectors, communities and international humanitarian stakeholders,</p> <p>47. Planning drills for schools along southern coast of Upolu towards end of 2018;</p> <p>1. Ongoing public awareness programs focussing on hazards and household level preparedness.</p> |
| 8 | <p>Pacific Risk Tool for Resilience Project</p> <p>Development Partner: New Zealand Ministry of Foreign Affairs and Trade (MFAT) & National Institute of Water and Atmospheric (NIWA) Research</p> <p>Total Funding: NZD113,400</p> <p>Timeframe:2016 – 2019</p> <p>Responsible Division/Focal Point: Disaster Management Office (DMO)</p> <p>% Delivery rate to date: 100%</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> To improve socio-economic resilience through sound disaster risk management The overarching aim of this project is to tailor or reconstruct the risk and loss modelling software tool called ‘RiskScape’ for Samoa (and Vanuatu). This software was developed by NZ institutes (NIWA and GNS Science) for NZ and this project aims to tailor the tool so that it could be applied to the local context/situation of Pacific Island Countries (PICs). The tool is able to model or project potential impacts from natural hazards such as damages, economic loss, casualties, reinstatement costs and others. Subsequently, the project aims to equip Samoa (and Vanuatu) with this tool to enable better informed decision-making and development planning to reduce the impacts of natural hazards to Samoa, thus, integrated Disaster Risk Management (DRM). <p>Project Outcome(s):</p> <ul style="list-style-type: none"> Riskscape - system to model exposure to identify potential damages and losses to inform contingency planning and interventions to reduce risks | <ul style="list-style-type: none"> Completed identification of case studies for the project; Seven (7) Stakeholder Consultations Workshops have been conducted Basic Intro to DRM & Risk Tools Training conducted Advanced Training to Risk Tools conducted Basic Intro to Data Management Systems Training conducted Advanced Training on Data Management Systems conducted Project Design Plan Document completed Two (2) Literature Reviews for Case Studies completed Two (2) Vulnerability Model Development Reports completed Centralized Database Repository: Samoa Geonode Portal has been set up Data collation and uploading onto Samoa GEONODE Data Repository is ongoing Completion of GEONODE User’s Manual Completion of four (4) Case Studies Final Reports Completion of Training of Trainers Manual Conducted Training of Trainers Training Finalizing Final Overarching Report <p>48. RiskScape Tool operationalized.</p> |
| 9 | <p>Fagalii Ridge to Reef (R2R) Project</p> <p>Development Partner: Global Environment Facility (GEF)/Secretariat to the Pacific Community (SPC)</p> <p>Total Funding:USD\$200,000</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> The Ridge to Reef (R2R) Project supports 14 Pacific Island Countries in the development of “Ridge to Reef” and “Community to Cabinet” approaches designed to guide the integration of water, land, forest and coastal management required | <p>COMPLETE</p> <ul style="list-style-type: none"> ➤ Coastal survey completed with James Atherton and DEC ➤ Completed 2nd phase of waste management initiative – installation of rubbish stands in Fagalii • Support for the Green of the Pacific Games |

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| | <p>Timeframe: 2016 – 2020</p> <p>Responsible Division/Focal Point: Water Resources Division</p> <p>% Delivery rate to date 100%</p> | <p>to fashion sustainable futures for island communities.</p> <ul style="list-style-type: none"> The project also aims to provide support to coordination, capacity building, technical assistance, and monitoring and evaluation for the operation of R2R initiatives. Samoa’s International Water R2R project focuses on the Fagalii Watershed given the many issues facing water quality for drinking water and also the receiving coastal waters. | |
| 10 | <p>Pacific Resilience Program (PRP) Development Partner: World Bank</p> <p>Total Funding: USD\$16.443 Million</p> <p>Timeframe: 2016 – 2020</p> <p>Responsible Division/Focal Point: Disaster Management Office (DMO)</p> <p>Implementing Partners: MNRE & MOF</p> <p>% Delivery rate to date: 45%</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> To strengthen early warning, resilient investments and financial protection of Samoa <p>Project Outcomes:</p> <ul style="list-style-type: none"> Strengthening Early Warning and Preparedness. Risk Reduction and Resilient Investments Disaster Risk Financing | <p>a) Procurement of Goods</p> <ul style="list-style-type: none"> Stockpile of chainsaws, ropes, water tanks (10k L) - completed Global Systems for Mobile (GSM) connection for 18 rainfall and 16 hydrological sub stations - completed Server - completed UPSs for SMD – procurement completed. <p>b) Procurement of Services:</p> <ul style="list-style-type: none"> Review and upgrade 3 Automatic Weather Stations and Lighting Detection Station (completed) Conduct utility survey and improve on Met Office services and products (completed) Draft MET bill reviewed by the Office of the Attorney General. Terms of Reference drafted to carry out stock take of all climate resilient activities); A Disaster Risk Financing strategy has been developed and is in its final stage of review. TA’s contract extended to undertake self-insurance review. Contract with PCRIC continues for disaster risk insurance. Additional Financing of USD\$2. premiums received with co-financing provided by Government of Samoa continued until 2023); Design and supervise the new seismic operation center at Mulinuu (Evaluation report including recommendation submitted to Tenders Board for endorsement) Upgrade rain gauges and bore hole monitoring equipment (completed); Assess schools in Taelefaga & Uafato and Neiafu to inform retrofitting of schools (procurement cancelled due to unsatisfactory submission from successful bidder); Review and design upgrades to the seismic network to enable monitoring of volcanic activities (tender in progress) Build the national emergency operation center at Tuanaimato (Construction in progress since February 2019 to be completed in April 2020) System Integrator to review observation networks, communication and Met/DMO/WRD services and products (in progress). Also finalised procurement plan for equipment and trainings for the 3 technical divisions (SMD, DMO and WRD) |

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| 11 | <p>Access to Benefit Sharing (ABS) Project</p> <p>Development Partner: GEF& Climate Change & UNDP</p> <p>Total Funding: USD350,000</p> <p>Timeframe: 2017 - 2019</p> <p>Responsible Division/Focal Point: Division of Environment & Conservation</p> <p>% Delivery rate to date: 100%</p> | <p>Project Objectives:</p> <ul style="list-style-type: none"> • Strengthening human resources, legal frameworks and institutional capacities to implement the Nagoya Protocol. <p>Project Outcomes:</p> <ul style="list-style-type: none"> • Strengthening the legal, policy and institutional capacity to develop national ABS frameworks. • Building trust between users and providers of genetic resources to facilitate the identification of bio-discovery efforts. • Strengthening the capacity of indigenous and local communities to contribute to the implementation of the Nagoya Protocol | <ul style="list-style-type: none"> • Completed 3 community consultation for the development of the Biocultural Community Protocols for Aopo and Faleaseela. • Completed the final Communications, Outreach & Knowledge Management Strategy for Access and Benefit Sharing. • Launching of the National ABS legal framework during the commemoration of the National Environment Week 2019. • Developed a final analysis report for Traditional Knowledge associated with genetic resources. • Developed a final Guideline for Traditional Knowledge associated with genetic resources • Completed the final draft of the two Biocultural Community Protocols for Aopo and Faleaseela. • Developed a first draft Management Bill for Genetic Resources and associated Traditional Knowledge. • Completed the development of the following ABS awareness and communication products; <ul style="list-style-type: none"> - ABS wall sticker at the arrival at Faleolo International Airport - ABS billboard was installed at the Faleolo International Airport car park. - Reusable bottles and shopping bags - Umbrellas - ABS information sheet - 4 pull up banners |
| 12 | <p>Preparation of the Interim National Report on the Implementation of the Nagoya Protocol in Samoa</p> <p>Development Partner: Global Environment Facility (GEF)</p> <p>Total Funding: USD 20,000</p> <p>Timeframe: 2017 - 2019</p> <p>Responsible Division/Focal Point: Division of Environment & Conservation</p> <p>% Delivery rate to date: 75%</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> •To develop Samoa's National Report on the implementation of the Nagoya Protocol | <ul style="list-style-type: none"> • Launching of Samoa's National Interim Report on the Implementation of Nagoya Protocol in Samoa during the commemoration of the National Environment Week 2019. • Prepared and submitted the following reports; <ul style="list-style-type: none"> - Expenditure statement report. - Co-finance report. - Project final report - Cash advance <p>Project deliverables 100% completed as of this financial year.</p> |
| 13 | <p>Continuing Regional Support for the Persistent Organic Pollutants (POPs) Global Monitoring Plan (GMP2) under the Stockholm Convention in the Pacific Region</p> <p>Development Partner: Stockholm Convention GEF/UNEP</p> <p>Total Funding: USD72,000</p> <p>Timeframe: 2017 – 2019</p> <p>Implementing Focal Point: Division of Environment and Conservation</p> <p>% Delivery rate to date: 50%</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> •On-going monitoring - project sites where air, water and human milk samples are collected. | <ul style="list-style-type: none"> • Samples of human milk, water and air were collected and shipped for analysis. • New extra activities were proposed and submitted to utilize the remaining fund for the project. • A SSFA was amended and signed for extension on the implementation of the new activities to be completed in December 2020. |
| 14 | <p>Malololelei Pest Management</p> <p>Development Partner: Auckland Zoo Public Development</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> • •To implement pest management program for Malololelei | <ul style="list-style-type: none"> • Completed quarterly monitoring of the Monitoring Lines from 17 – 24 September. • Completed two baiting sessions for the bait stations |

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| | <p>Conservation Trust PeIGAR International, UK</p> <p>Total Funding: SAT43,000</p> <p>Timeframe: 2017 – 2020</p> <p>Implementing Focal Point: Division of Environment and Conservation</p> <p>% Delivery rate to date: 50%</p> | | <p>on 26 – 30 August and 29 Aug – 3rd Sept.</p> <ul style="list-style-type: none"> • Six months Progress Report for January – September is in draft and will be shared with the partners and donor soon. - Plan and discussions underway for cat control component of the project |
| 15 | <p>ozone development, coastal topography survey and capacity building for the coastal disaster damage reduce in Samoa</p> <p>Development Partner: EXPO YEOSU Korea Foundation</p> <p>Total Funding: SAT26,863</p> <p>Timeframe: 2017 – 2021</p> <p>Implementing Focal Point: Division of Environment and Conservation</p> <p>% Delivery rate to date: 95.22%</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> • Continuous monitoring to update the status of Marine Protected Areas (MPAs); • Conduct monitoring surveys for Aleipata and Safata MPA and Palolo Deep Marine Reserve; <p>Conduct turtle nesting surveys at specify sites at MPA and other potential areas in Upolu and Savaii</p> | <ul style="list-style-type: none"> • Project deliverables 100% completed. • Completed ecological monitoring survey for Safata MPA. <p>Delivery rate is based on the acquittal update from MOF as of 30 June 2020.</p> <ul style="list-style-type: none"> • |
| 16 | <p>Improving Performance and Reliability of Renewable Energy Power Systems in Samoa (IMPRESS) Project</p> <p>Development Partner: GEF/UNDP Total</p> <p>Funding: USD\$6,076 Million</p> <p>Timeframe: 2017 - 2022</p> <p>Responsible Division/Focal Point: Renewable Energy Division</p> <p>R2% Delivery rate to date: 60%</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> • Improved sustainable and cost-effective utilization of indigenous renewable energy resources for energy production in Samoa <p>Project Outcomes:</p> <ul style="list-style-type: none"> • Enforcement of clear and consistent policies and regulations that are supportive of the development and implementation of RE-based power generation in support of national economic development • Enhanced operating performance and reliability of RE power systems (generation and distribution) in major islands • Increased application of biomass-based energy for power and non-power uses • Increased application of power system performance and reliability enhancement technologies • Improved availability of, and access to, financing for electricity DSM, power/non-power RE application and electricity system performance improvement projects • GoS & financial sector pro- viding financing | <ul style="list-style-type: none"> • Ankur Scientific Engineers arrived on 22nd July a 2019 to build the 750kW Biomass Gasification Plant • Energy Efficiency Consultation in Savaii - 25th July 2019 • Independent Power Producer Workshop - 22nd August 2019 • Submission of the 1st PIR (Project Implementation Report) for the project on 12th Sept 2019 • 4th Pacific Regional Energy and Transport Ministers Meeting 16th – 20th Sept 2019 • Awarded and signing of Contract with B.E.S.T Company Ltd on 3rd Oct 2019, to install 5 biogas systems in selected sites. • School Awareness Program for selected schools in Upolu (9th – 11th March 2020) • Completion of Phase 1 for the Household/Biogas Systems by B.E.S.T Company. • EU Ambassador Mr Sujro Seam official visit to Afolau Biomass Gasification Plant on 5th March 2020 • Grid-Connection Trial testing of the Afolau Biomass Gasification Plant on the 8th April 2020. • Awarding of Contract for both Tenders i.e. <ul style="list-style-type: none"> (i) Development of Business Model, Financial Schemes and Cost Benefit Analysis of Renewable Energy Technologies, (ii) Renewable Energy Management & Technology Experts for IMPRESS Project. • Early planning stages for Samoa Biogas Association (SBA) |

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| | | <p>for EE, and productive uses of RE</p> <ul style="list-style-type: none"> • Increased demand and utilization of RE for productive and social uses • i) Improved awareness about RE and EE technology applications to support national economic development <p>Project Sites:</p> <ul style="list-style-type: none"> • 750kW Biomass Gasification Plant will be located at the Afolau, Mulifanua - STEC Land • Proposed Community/Household • Biogas Sites o Salua village- Manono, o Saasaai village- Savaii, o Mapuifagalele, o New Prison @ Tanumalala, o Palauli- Savaii, o Asau – Savaii | |
| 17 | <p>Integrated Flood Management to Enhance Climate Resilience of the Vaisigano River Catchment in Samoa”</p> <p>Specific MNRE Component: GCF - Output 2.2 - Implement ecosystem responses upstream for decreased flows during extreme weather events</p> <p>Development Partner: Green Climate Fund (GCF) / UNDP</p> <p>Total Funding:USD\$8 Million</p> <p>Timeframe:2017 - 2022</p> <p>Responsible Division/Focal Point: Environment Sector Coordination Division, Water Resources Division, Land Management, Forestry Division, Climate Change/GEF</p> <p>Implementing Partners: MAF, MWCSO, MCIL, MOF, CSSP, SBEC</p> <p>% Delivery rate to date: 17%</p> | <p>Activity 2.2 Objective: Implement ecosystem responses upstream for decreased flows during extreme weather events</p> | <p>Cash for Work Programme</p> <ul style="list-style-type: none"> • The Forestry Division completed recruitment of the 10 field assistants and have commenced work on the second week of September 2019. • The Water Resource Management Division continued work of land preparations for the replanting activities at Alaoa Reserve. • DEC team continued working at the Vailima Reserve and Botanical Garden • Terrestrial Biodiversity team finalized reports for the Water Lettuce monitoring survey and Birds & Butterflies monitoring survey • The Waste Management Section completed labelling of the procured wheelie trash bins for distribution to households and schools within the project area <p>Ecosystem based Adaptation Enterprise Development Programme</p> <ul style="list-style-type: none"> • Received 330 applications for the First Call of Proposals. • Screening evaluation took place on the 19th and 22nd July 2019 comprising 4 teams and endorsed for the Comprehensive Technical Assessment of 303 applications. • The site visits commence from 25th September to 3rd October to confirm several important aspects to be factored into the final decision of the applications. • Payment for Ecosystem Services • The tender for procurement of consultancy service to undertake the Full Feasibility Assessment of PES was launched via UNDP modality on the first week of August. • The evaluation phase is nearing completion with an outcome anticipated by the second week of October. |
| 18 | <p>Gagaifomauga - Enhancing resilience of upper catchment area and upland central Savaii forest ecosystem to sustain the natural habitats pristine KBA (key biodiversity area) and support community livelihoods</p> <p>Development Partner: World Bank</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> •To enhance resilience of upper catchment area and upland central Savaii forest ecosystem to sustain natural habitats (key biodiversity areas) and support community livelihoods. | <ul style="list-style-type: none"> • Completed training for MNRE technical staff to implement biorap and train communities on effective monitoring methodologies. • Completed biorap survey for Masamasa-Falelima NP as part of the training implementation for biorap. • Completed consultations with Aopo with an MOA signed for the project activities. • Completed DC for development of the monitoring |

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| | <p>(PPCR)</p> <p>Total Funding: SAT573,000</p> <p>Timeframe:2018 - 2020</p> <p>Implementing Focal Point: Division of Environment & Conservation</p> <p>% Delivery rate to date: 40%</p> | | <p>base station for Aopo.</p> <ul style="list-style-type: none"> Completed design for the monitoring base station. Completed Preliminary report on the training and survey implementation at Masamasa-Falelima NP. Completed preliminary presentation to stakeholders on the biorap survey lead by Samoa Conservation Society. Completed procurement for the rain gauge and yet to arrive for installation on site where the base station is located |
| 19 | <p>Japanese Technical Cooperation Project for Promotion of Regional Initiatives on Solid Waste Management in Pacific Island Countries (J-PRISM II)</p> <p>Development Partner: Japan International Cooperation Agency (JICA)</p> <p>Total Funding: Provision of capacity building initiatives (technical cooperation)</p> <p>Timeframe: Ongoing</p> <p>Implementing Focal Point: Division of Environment & Conservation</p> <p>% Delivery rate to date: 80%</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> To improve solid waste management | <ul style="list-style-type: none"> National Waste Management Strategy 2019 – 2023 has been develop and endorsed by Cabinet and now in the implementation phase. Rubbish Collection Monitoring System is now developed and on trial using GPS system to track the collection routes. The full operation will come into force once the new Waste Collection Contractors are endorsed by Tenders Board and Cabinet. <p>A study tour was conducted to observe a feasible user pay system for rubbish collection services and the team visited Fiji, Vanuatu and Tonga. From this study tour, MNRE has opted to use a pre-paid trash bag as a mechanism to paying for the services. The proposal has been submitted to the Revenue Board for endorsement prior to Cabinet’s approval</p> |
| 20 | <p>Ozone Project - Protection of the Ozone Layer</p> <p>Development Partner: UN Environment Programme</p> <p>Total Funding: USD\$70K per year</p> <p>Timeframe: Ongoing</p> <p>Responsible Division/Focal Point: Meteorology Division</p> <p>Delivery percentage: 95% ongoing</p> | <p>Project Objective:</p> <ul style="list-style-type: none"> Phasing out of Ozone Depleting Substance in refrigeration and air conditioning | <p>1. Institutional Strengthening Project</p> <ul style="list-style-type: none"> All reporting obligations met – Country Program Report and Article 7 Data reports submitted on time; Exceeded obligation target for ozone depleting substances phase out by 60% (2019 consumption of 0.1904 MT); 2 Nationwide data collection and company inspections conducted; Licensing System operational and linked to MCIL portal; World Ozone Day celebrated on 16th September 2019 in collaboration with the Energy Efficiency Division (MOF) during the Energy and Maritime Ministerial Meeting; Shipment inspections conducted at Customs; RACAS trade nights and meetings completed; National Ozone Steering Committee quarterly meetings achieved; Continue collaboration with Customs to implement the PACHS17 codes when feasible. <p>2. Hydrochlorofluorocarbons (HCFCs) Phase out Management Plan Stage I Tranche 2</p> <ul style="list-style-type: none"> 1 Refresher training on good refrigeration and air conditioning (RAC) servicing practices completed; 2 RAC trainings on the introduction of good practices on flammable refrigerants; Tranche 3 for HPMP approved. <p>3. HPMP Stage II Preparation</p> <ul style="list-style-type: none"> 2 stakeholders consultations conducted; Final report submitted to UNEP; Final regional proposal submitted to the Executive Committee of the Multilateral Fund; |

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| | | | <p>PROJECT COMPLETE</p> <p>4. Enabling Activities for Hydrofluorocarbons (HFCs) Phase-down under the Kigali Amendment</p> <ul style="list-style-type: none"> • Country Assessment for the implementation of the HFCs Phase-down completed • Consultations completed for the review of the licensing system; • Identified new stakeholders for HFCs phase-down and are now members of the National Ozone Steering Committee • Dissemination of awareness brochures and fact sheets on Kigali amendment completed; • Ozone Layer Protection Regulations 2006 amendment in progress <p>5. Verification of HCFC Consumption</p> <ul style="list-style-type: none"> • PROJECT COMPLETE |
| 21 | <p>Development of Samoa's Sixth National Report to Convention on Biological Diversity (CBD). Development Partner: Global Environment Facility & Climate Change (GEF&CC)</p> <p>Total Funding:USD\$100,000</p> <p>Timeframe:2018 – 2019</p> <p>Responsible Division/Focal Point: Environment and Conservation Division</p> <p>% Delivery rate to date: 100%</p> | <p>Project Objectives:</p> <ul style="list-style-type: none"> • Assessment of progress towards each ABT and/or national equivalent. Production and submission of 6th National Report | <p>COMPLETE</p> <ul style="list-style-type: none"> • |
| 22 | <p>Development of Samoa's Seventh Report to the United Nations Convention to Combat Desertification (UNCCD)</p> <p>Development Partner: GEF-UNEP</p> <p>Total Funding: USD70,000.00</p> <p>Timeframe:2017-2018</p> <p>Responsible Division/Focal Point: Land Management Division</p> <p>% Delivery rate to date: 70%</p> | <p>Project Objective</p> <ul style="list-style-type: none"> • To monitor progress made in the implementation of the 2018 - 2030 Strategic Framework • Helps equipped the Conference of the Parties (COP) with necessary knowledge to enable them adopt targeted decisions and guidance that is more focused and oriented in supporting the effective achievement of the five key Strategic Objectives • Such knowledge is valuable also for Parties and country Stakeholders that work on the implementation of the UNCCD at the national and local levels. | <ul style="list-style-type: none"> • Launching of Samoa's 6th National Report (6nr) to the Convention on Biological Diversity during the commemoration of the National Environment Week 2019. • Developed a final summary brochure for the 6NR. • Developed the project closure analysis report • This project has officialy closed. • |

ANNEX 3: LEGISLATIVE & POLICY MANDATES

| Legislation | | National Policy | | Subsidiary Legislation (Regulations / By-Laws / Orders) | |
|-------------|---|-----------------|--|--|--|
| 1 | Samoa Market Ordinance 1927 | 1 | Cultural & Natural Heritage & Conservation Policy 2000 | 1 | Waste Management (Importation of Waste for Electricity and Energy Recovery) Regulations 2015 |
| 2 | Building Alignment Ordinance 1932 | 2 | Integration of Climate Change Risk and Resilience into Forestry Management (ICCRIFS) 2011-2015 | 2 | Waste (Plastic Bags) Management Regulations 2018 (+ 2020 Amendment) |
| 3 | Stevenson Memorial Reserve and Mount Vaea Scenic Reserve Ordinance 1958 | 3 | National Chemical & Hazardous Waste Management Policy 2012 | 3 | Forestry Management Act 2011 – Order for Fees 2013 |
| 4 | Taking of Land Act 1964 | 4 | National Drought Policy (Tendered Documents-Yet to be finalized) | 4 | Land Titles Registration Act 2008 – Order / Notice of Fees 2009 |
| 5 | Leasing and Licensing of Customary Land Act 1965 | 5 | National Forestry Policy 2007 | 5 | Land Titles Registration Regulations 2010 |
| 6 | Land Titles Investigation Act 1966 | 6 | National Invasive Species Action Plan | 6 | Marine Wildlife Protection Regulations 2009 (+ Amendments) |
| 7 | Alienation of Freehold Land Act 1972 | 7 | National Policy for Licensing Surveyors 1999 | 7 | Ozone Layer Protection Regulations 2006 |
| 8 | National Parks and Reserves Act 1974 | 8 | National Sanitation Policy 2009 | 8 | Protection of Wildlife Regulations 2004 |
| 9 | Land Surveys and Environment Act 1989 | 9 | National Sanitation Policy 2010 | 9 | Water Resource Licensing Regulation 2013 |
| 10 | Samoa Trust Estates Corporation Reconstruction Act 1990 | 10 | National Urban Policy 2013 | 10 | Survey Regulations 2011 |
| 11 | Land for Foreign Purposes Act 1993 | 11 | National Waste Management Policy 2001 | 11 | Unit Titles Regulations 2014 |
| 12 | Disaster and Emergency Management Act 2007 | 12 | National Water Resource Management Policy 2010 | 12 | Water Resources Management Regulation 2013 |
| 13 | Land Titles Registration Act 2008 | 13 | National Water Services Policy 2010 | 13 | Water Resources Management Amendment Regulations 2020 |
| 14 | Water Resources Management Act 2008 | 14 | National WRM Policy 2009 | 14 | Marine Protected Areas (MPA) By- Laws 2007 |
| 15 | Unit Titles Act 2009 | 15 | Renewable Energy and Energy Efficiency Policy Framework 2016 | 15 | Survey Regulations 2011 |
| 16 | Land Valuation Act 2010 | 16 | The National Upland Watershed Conservation Policy (NUWCP) 2015. | 16 | Water Resource Licensing Regulation 2013 |
| 17 | Waste Management Act 2010 | 17 | Water Allocation Policy 2013 | 17 | Piu/Sapunaoa Water Resources By-Laws 2020 |
| 18 | Spatial Information Agency Act 2010 | 18 | Water for Life: Water & Sanitation Sector Plan for 2012-2016 | 18 | Safua Water Resources By-Laws 2020 |
| 19 | Survey Act 2010 | 19 | National Implementation Plan for Persistent Organic Pollutants (to be reviewed) | 19 | Tapueleele Water Resources By-Laws 2020 |
| 20 | Forestry Management Act 2011 | 20 | National Biodiversity Strategy and Action Plan 2015 – 2020 | 20 | Tafitoala Water Resources By-Laws 2020 |
| 21 | Customary Land Advisory Commission Act 2013 | 21 | National Disaster Management Plan 2017 – 2020 | 21 | Palauli Water Resources By-Laws 2020 |
| | | | | 22 | Gasegase Water Resources By-Laws 2020 |
| | | | | 23 | Aufaga Water Resources By-Laws 2020 |
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| | | | | 25 | Fulusou Water Resources By-Laws 2020 |
| | | | | 26 | Vailoa Palauli Water Resources By-Laws 2020 |

