



**MINISTRY OF WATERWAYS AND  
ENVIRONMENT  
REPUBLIC OF FIJI**

# Strategic Plan 2020 - 2024



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## LIST OF ABBREVIATIONS

CBD	Convention on Biological Diversity
CEMP	Construction Environment Management Plan
CITIES	Convention on International Trade in Endangered Species of Wild Flora and Fauna
COP	Costed Operational Plan
DoE	Department of Environment
EIA	Environment Impact Assessment
EMA	Environment Management Act
EPS	Endangered and Protected Species
FRDP	Framework for Resilient Development in the Pacific
GGF	Green Growth Framework
GIS	Geographic Information System
HFC	Hydrochlorofluorocarbons
HPMP	Hydrochlorofluorocarbon Phase-out Management Plan
IF	Implementation Framework
LWRM	Land and Water Resources Management Bill
MoWE	Ministry of Waterways and Environment
MoU	Memorandum of Understanding
NAP	National Adaptation Plan
NBSAP	National Biodiversity Strategy & Action Plan
NDP	National Development Plan
NFAP	Nadi Flood Alleviation Project
PPM	Planned Preventative Maintenance
SDG	Sustainable Development Goal
SOP	Standard Operating Procedures
SP	Strategic Plan

## EXECUTIVE SUMMARY

This Strategic Plan provides the blueprint for identification and better management of environment and waterways risk in Fiji. The Fijian Government is committed to safeguarding our environment and keeping communities safe, and this strategic plan will play a major part in implementing this vision.

Waterways and Environment are central to the economic and social development of the country. The Waterways and Environment sector provide a natural and built infrastructure that is central to supporting economic growth by sustaining crop production and productivity, tourism development and food security. It is evident that environmental management is critical to support the sustainability of the benefits from nature supporting the country's economic growth. Furthermore, it has strong linkages with key sectors of the economy such as agriculture, tourism, and fisheries. The Ministry recognizes that waterways and the environment are intrinsically linked and play a critical part in our livelihoods. To achieve this the strategic objectives are developed taking into consideration the connection between waterways and environment to economic development, social well being, and climate change.

Our vision water for *Clean, Healthy Environment and Waterways Management for a Sustainable and Resilient Fiji* reflects the need to act now to ensure a flourishing, liveable and healthy environment, prosperous communities, and protected waterways, ensuring economic prosperity through climate-resilient interventions. Our work will be shaped by the strategic objectives in the plan that are geared towards building resilience to waterways related hazards and ensuring our environment is managed sustainably for now and future generations.

Waterways and environment impacts every part of our economy and community, as such, achieving our vision and strategic objectives will require a collective approach. We will partner across government, development partners industry, universities and the community to share knowledge, build capacity and deliver effective solutions waterways and environmental problems we face. In the coming years, we will forge new partnerships that will enhance the delivery of our service. Through our excellent service, robust waterways and environment management policies and innovative climate-resilient solutions, we will confirm our status as an agile organization, constantly evolving and ready to meet new waterways and environment challenges and priorities.





## MINISTER'S FOREWORD

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I am glad to introduce to you the strategic plan for the Ministry of Waterways and Environment that covers the period 2020-2024. This Strategic Plan (2020-2024) sets the strategic objectives that the Ministry will pursue in the next five years to provide robust environmental and waterways management. The strategies are in line with the national development goals as articulated in the 5 and 20 Year National Development Plan, the National Adaptation Plan, and the Green Growth Framework. Government effort in the waterways and environment sub-sector has led to significant investments and to improved waterways and environment management services. The Ministry of Waterways and the

Ministry of Environment have been combined to form the newly established Ministry of Waterways & Environment.

Our waterways and environment encounter degradation and abuse, and it needs special care that involves developing and enforcing legislation. This also involves providing effective specialized qualified human field intervention, as well as advocating to solicit the participation of all stakeholders in Fiji. We recognize our important role as stewards of Fiji's waterways and natural environment to ensure these unique assets are protected and sustainably managed for future generations to enjoy. This Strategic Plan further identifies the role of the Ministry in managing waterways related hazards, that are further exacerbated through Climate Change. The challenge of managing these hazards needs a whole-of-catchment approach that transcends local boundaries. This Strategic Plan embodies this approach, realizing the intrinsic link between waterways and environment it outlines the actions that are aimed at increasing the resilience of all Fijians. Through the collective efforts of the Ministry of Waterways and Environment and our partners in implementing this strategic plan, I am confident that we will succeed in the effective management of waterways, mitigate waterways related hazards, protect our environment and sustain our unique biodiversity.

## MESSAGE FROM THE PERMANENT SECRETARY

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The 2020-2024 Strategic Plan has been developed through a participatory effort conducted by technical working teams from the Ministry supported by national experts in strategic planning. This approach was based on a comprehensive methodology that actively engaged key partners both internally and externally. In addition, the Ministry conducted stakeholder mapping to ensure that the expectations and needs of our clients and partners including civil society organizations, academic institutions, and the private sector were all integrated into the strategy. The process for developing the strategy relied on a detailed analysis of existing conditions and foreseeing the future while keeping direct

connections to national and global environmental and developmental goals. The strategy is linked to the National 5 and 20 Year Development Plan, the Green Growth Framework and the recently adopted international Sustainable Development Goals (SDGs) for 2030. In the final analysis, strategic goals were developed along with affiliated focus areas and projects all integrated within the landscape of national and global environmental objectives.

The challenge remains now to turn the strategic objectives into tangible results. Achieving this requires the active participation of all partners, it is a common responsibility and we will work with our partners to deliver the plan. The implementation of the strategy is not only linked with institutional effort but also with personal convictions and our social and ethical duties to preserve our prized fortune. I am confident that the implementation of this strategic plan will better our waterways & Environment management and lead us to a resilient Fiji.

# NATURE AND SCOPE OF MINISTRY OF WATERWAYS AND ENVIRONMENT

The Ministry of Waterways and Environment has been established by the Fijian Government in recognition that waterways management and the preservation of Fiji's natural environment share many inherent linkages. Fiji's waterways, as part of our natural environment, also share a unique vulnerability to the worsening impacts of climate change. This merger has streamlined the Government's ability to direct environmental funding and support to the nation's flood adaptation and resilience efforts. This merger further ensures that no development in Fiji comes at the cost of the overall health of our natural environment.

The Ministry delivers its services through;

1. General Administration
2. Department of Waterways
3. Department of Environment

The Ministry's mandate covers waterways and environment service for all Fijians. The Ministry will work to address the fundamental issues that are putting Fijian communities at risk by enforcing current policies and legislation, developing relevant policies and frameworks, for more-effective environmental and flood management systems.

The Ministry derived its core mandate from the 2013 Constitution and is currently responsible for 6 pieces of Legislations. The Ministry of Waterways and Environment is guided in its daily operations by the following laws and regulations:

1. Drainage (Budget Amendment) Act 2018 (Principal Act: Drainage 1961)
2. Irrigation Act 1973
3. Environment Management Act 2005
4. Endangered and Protected Species Act 2002
5. Litter Act 2008
6. Ozone Depleting Substances Act 1998

Mitigating the risks associated with water; through appropriate infrastructure investment is one of the keys to sustainable growth. The Department of Waterways is responsible for the provision of flood mitigation measures, improved drainage, riverbank protection, smart irrigation technologies and coastal protection throughout the country. The Department of Waterways will deliver the above activities through catchment management, dredging, and improved drainage, as well as work towards developing and provision of coastal protection.

The Department of Environment is responsible for the protection of the natural resources and for the control and management of developments, waste management, and pollution control and for the establishment of a National Environment Council and for related matters. The department is responsible for the formulation, coordination and monitoring of the implementation of Fiji's national environmental policies, programs, and legislation to ensure a sustainable development and utilization of Fiji's natural resources. The work of the Department of Environment is in accordance with the Ozone Depleting Substances Act 1998 (and ODS Regulations 2010), Endangered and Protected Species Act 2002 (and Regulations 2003), Environment Management Act 2005 (and Environment Management (EIA Process) and Environment Management (Waste Disposal and Recycling) Regulations 2007) and Litter Act 2008. The work of the Department of Environment is aligned to Section 40 of the Constitution of the Republic of Fiji.

# OVERARCHING FRAMEWORK

This Strategic Plan 2020-2024 is guided by the Sustainable development Goals 6, 9, 11, 13, 14, 15 and 17, the Framework for Resilient Development in the Pacific (FRDP), the national policies and plans including 5 and 20 Year National Development Plan (NDP), the National Adaptation Plan (NAP), the Green Growth Framework and the COP23 outcomes Figure 1, as its main overarching process for comprehensively addressing waterways and environment management in Fiji. This Strategic Plan provides a clear vision for waterways and environment management integrating the national development targets in NDP and sector adaptation strategies in the National Adaptation Plan.

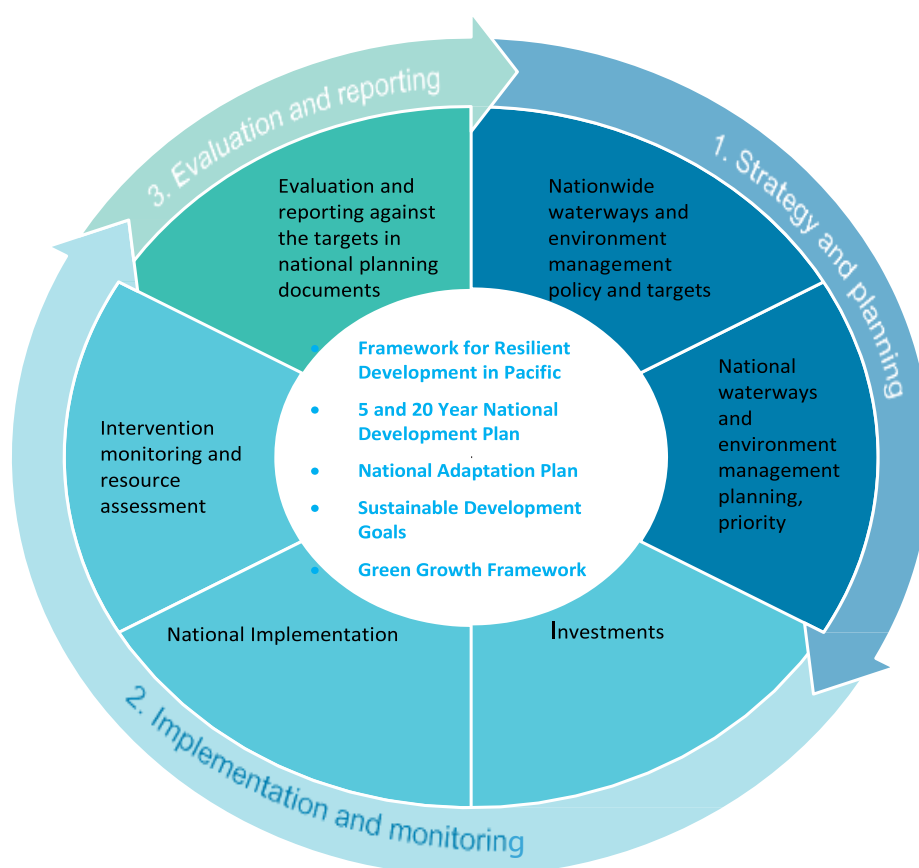


Figure 1: Strategic Plan Framework

By way of context, the operational functions of the Ministry are guided by the 5 years and 20 year National Development Plan [NDP], Drainage Act and Irrigation Act, Environment Management Act 2005, Endangered and Protected Species Act 2002, Litter Act 2008, Ozone Depleting Substances Act 1998, Constitution of the Republic of Fiji 2013 and other relevant legislation.

## FUNCTIONS OF STRATEGIC PLAN AND STRATEGIC DIRECTION

This Strategic Plan provides the framework for implementation of government initiatives, to ensure the protection of the environment and to maintain and improve the condition of waterways, both inland and coastal so that they can continue to provide environmental, social, cultural and economic values for all Fijians. The plan has been formulated after rigorous consultation and planning processes and decision-making involving both the Department of Waterways and the Department of Environment.

It further outlines the Fijian Government's policy on waterways and environment-related decision- making, investment, and management activities. It provides guidance on the implementation of the strategies and management plans that are integral to the success of the waterways and environment management Fiji.

This Strategic Plan during its implementation will ensure efficiency using best practices, in line with the 5 and 20 Year National Development Plan and National Adaptation Plan. 2020 is the first year of the 5 – year strategic plan. The next two years of operations (19/20 – 20/21) are key to consolidating the most effective culture and a mix of people, processes, technology, governance, equipment, monitoring and reporting progress against set targets. The following three years (2021-2024) marks the development of relevant policy framework, policies and capital investments to safeguard our waterways and environment and implementation of measures to keep all Fijians safe from waterway and environment negative externalities.

The recognition of the problems facing the waterways and environment, its importance to the Fijian economy, and the need to provide services efficiently; provides the rationale of this strategic plan for the Ministry of Waterways and Environment.

This strategic plan reiterates that Waterways and Environment are central in contributing to the achievements of all the NDP goals. Broadly, all the sub-sectors such as water supply and sanitation infrastructure and climate change are fundamental in boosting production and productivity along value chains for social transformation and sustainable development. While sustainable waterways are central to flood mitigation, agricultural production and productivity and mitigation of climate change effects, a healthy, clean and productive environment is essential for sustainable development because it reflects the balance between the demand and supply of natural resources. Therefore, once this sector is properly implemented it will ultimately meet the over-arching aims of the socio-economic transformation of this country and will also ultimately contribute to the attainment of the national targets for the 2030 Agenda for Sustainable Development in totality.





# STRATEGIC RISKS AND RISK MANAGEMENT

This section elaborates upon the risks to be addressed in this Strategic Plan and the Ministry's Operational Plan. All activities undertaken by the Ministry of Waterways and Environment (MoWE) carry an element of risk. The exposure to these risks is managed through the practice of Risk Management. The Risk Management Policy and Procedure further provide guidance and SOPs for dealing with risks. It is the Ministry's responsibility to take advantage of potential opportunities while managing potential adverse effects of the risks. In general, risks to the SP are managed by virtue of the fact that programs and projects associated with the strategic initiatives are subject to review and funding is monitored based upon outputs, and ultimately outcomes, articulated in the project descriptions in the Costed Operational Plan (COP) for the financial year. As the MoWE delivers on its responsibilities and maintains its relevance with its stakeholders, it will address the drivers behind its Strategic Plan and mitigate any risks which may exist. Furthermore, the strategic plan development process aimed to guarantee that the achievements of defined objectives on the national level are also connected with the Sustainable Development Goals (SDGs) for 2030, the National Development Plan and the National Adaptation Plan. Based on that, a methodology has been developed and strategic planning has been applied within the Ministry of Waterways and Environment to guarantee the development of a complete and comprehensive risk management plan.

Internal risks are analyzed and managed in terms of monitoring resources, keeping qualifications and capabilities relevant, and maintaining the physical infrastructure. It may be noted here that the MoWE has developed a Risk Management Policy and Procedure, which approaches risk assessment and management, for both internal and external risks, in a more comprehensive manner. Further, the related monitoring and evaluation associated with the Strategic Plan and embedded in the annual operational plans enforce a regimen of continuous risk assessment and remediation of initiatives and outputs to ensure achievement of the desired Strategic Plan outcomes. This Strategic Plan design strives to achieve the same in order to maximize MoWE's relevance to its stakeholders and to deliver upon its roles and responsibilities in an efficient manner.

Table 1: SWOT Analysis

INTERNAL	
Strengths	Weaknesses
<ul style="list-style-type: none"> <li>▪ Funding and resources availability</li> <li>▪ Full government support.</li> <li>▪ Facilities/ Utility available</li> <li>▪ Established Infrastructure</li> <li>▪ Easy access to Government</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lack of technical and specialized expertise.</li> <li>▪ Lack of resources including funding, technology</li> <li>▪ Weak project monitoring and management</li> <li>▪ Lack of PPM (Planned Preventative Maintenance)</li> <li>▪ Old drainage system design</li> <li>▪ Lack of specialized contractor</li> <li>▪ Project Management</li> <li>▪ Lack of adequate structures</li> <li>▪ Lack of legislation enforcement</li> </ul>
EXTERNAL	
Opportunities	Threats
<ul style="list-style-type: none"> <li>▪ Modern technological advancements</li> <li>▪ Private Sector partnership</li> <li>▪ Govt. Infrastructure developments</li> <li>▪ Staff training and upgrade</li> <li>▪ Networking with relevant stakeholders</li> <li>▪ Drainage planning</li> </ul>	<ul style="list-style-type: none"> <li>▪ Poor Perception of the economic value of waterways and environment services.</li> <li>▪ Sabotage (Ministry assets damage)</li> <li>▪ Competitive Labor Market</li> <li>▪ Lack of catchment management</li> <li>▪ Natural disasters</li> <li>▪ Improper monitoring</li> <li>▪ Illegal operators</li> <li>▪ Climate Change</li> </ul>

## OUR VISION & MISSION

### Vision



Clean, Healthy Environment and Sustainable  
**Waterways Management for a Sustainable and Resilient Fiji**

### Mission



To steward and protect Fiji's environment as a prized fortune for all Fijians and their future generations.

Increase resilience to waterways related hazards through effective and sustainable management of waterways in Fiji.

### Values



1. **Innovative** - Support and encourage innovation in our approach to meet our evolving needs
2. **Integrity** - Honesty, and transparency in our operation
3. **Equity** - Impartial and just in our actions
4. **Respect** - Create positive relationships through mutual respect between staff and stakeholders
5. **Responsive** - Receptive and pro-active to requests to empower performance and achieve

## Our strategic objectives

1

**BUILDING RESILIENCE TO CLIMATE CHANGE AND WATERWAYS RELATED HAZARDS THROUGH IRRIGATION, IMPROVED DRAINAGE, FLOOD CONTROL, RIVERBANK, AND COASTAL PROTECTION.**

2

**RELIABLE ENVIRONMENT REGULATOR AND TRUSTED LEADERSHIP IN ENVIRONMENTAL POLICY AND PRACTICE**

# STRATEGIC PATHWAYS

The strategic Pathways will guide the Ministry in delivering its services toward its vision and ensure optimal service delivery through the Department of Waterways and Department of Environment. These are:

## LEGISLATION AND REGULATORY PROCESS



**Legislation and Regulatory Processes** is the first pathway to achieve the vision in this strategic plan. Robust legislation and relevant policies will allow the Ministry to **regulate, authorize, declare and restrict activities** that impact the waterways and environment in the nation. It will further govern the management of waterways and the environment. It will guide the processes and policies the Ministry needs to put in place to deliver its human resource, community & environment, funding & development partnership and human resources related objectives and overall service delivery. This pathway will provide the enabling environment that will drive Waterways Services performance

## COMMUNITY, ADVOCACY & ENVIRONMENT



**Community, Advocacy and Environment** as a pathway allows for **greater involvement of people in projects** carried out by the Ministry, ensuring the sustainability of the project. More adaptive and inclusive development realities embedded in society and nature are envisioned in this pathway. It further envisions that the **community will take ownership** of the projects undertaken and protect the environment, together contributing to its sustainability.

This pathway furthers the use of community-centric **ecosystem-based approaches and green technology**, to addressing current problems and designing better infrastructures

## HUMAN RESOURCES



While the first pathway is about the institutional and legislative process, this third pathway considers the more intangible drivers of performance. Because it covers such a broad spectrum, this pathway is broken down into the following components:

**Human capital** – skills, talent and knowledge (for example, skills assessments, performance management scores, and training effectiveness).

**Organizational capital** – culture, leadership, employee alignment, teamwork, and knowledge management (for example, staff engagement, employee net promoter score, and corporate culture audits).

## FUNDING & DEVELOPMENT PARTNERSHIP



**Funding & Development Partnerships** are vital to the Ministry's effectiveness in achieving results and delivering its program activities. This pathway establishes diverse partners including governments, international financial institutions, the private sector and civil society organizations, all of who share a common vision for waterways and environment management. It aims a Strategic and flexible partnership with development partners and donors and explores support through technical expertise, technical assistance and funding that will enable the Ministry to operate more effectively, develop strategically and be innovative in service delivery.

## TECHNOLOGY AND INNOVATION



In this new digital age, technology has become an essential delivery pathway for strategies. There is a need to strengthen technological support in the delivery of its key strategies. The technical support and information capital are advocated in this pathway:

**Technical Support** – GIS Systems, Specific software for the relevant thematic areas. Having the drainage infrastructure on the GIS platform provides the ease to plan and propose effective mitigating options.

**Information capital** – databases, complaint management, information systems, networks, and technology infrastructure (such as safety systems, data protection systems, and infrastructure investments).

# SUMMARY OF STRATEGIC OBJECTIVES FOR STRATEGIC PLAN 2020-2024

## DEPARTMENT OF WATERWAYS

**Strategic Objective - Building resilience to climate change and waterways related hazards through irrigation, improved drainage, flood control, riverbank, and coastal protection.**

Fiji is at the forefront of climate change-induced extreme events such as floods, which over the past few years have increased in magnitude and frequency. This has had a profound social and economic impacts. The above Strategic Objective strives for a significant shift to provide a holistic and cohesive approach to building resilience to climate change through mitigating waterways related hazards especially floods, watershed management, and riverbank and coastal protection through an integrated approach.

The Strategic Objective aims to enhance the government in its attempt to build resilience and reduce economic volatility, through investment in climate change and disaster-resilient infrastructures and supporting the government's efforts to build macroeconomic buffers and fiscal resilience, providing the overall direction for the management of our national waterways over next five years.

To achieve the Strategic Objectives, the Operational Objectives are designed taking into consideration the two-prong approach as outlined in the 5 and 20 Year Fiji National Development Plan the "inclusive socio-economic development" and "transformational strategic thrusts". The programmes are designed to ensure that the socio-economic rights in the Constitution are realized. The Ministry in its operation ensures that no one is left behind regardless of geographical location, gender, ethnicity, and economic status. As such our programme are developed to improve the livelihood and resilience of Fijians living in rural areas and through the provision of coastal protection, flood protection and drainage and smart irrigation provision. Furthermore, the Ministry realizes that to achieve the vision of "*Transforming Fiji*", it is vital that innovative sector policies and plans are developed and implemented.

The Department of Waterways intends to achieve the above Strategic Objective through the following Operational Objectives;

### **1. Sustainable management of waterways and watersheds.**

Aligned as the "transformational strategic thrusts", this operational objective addresses the legislative and institutional arrangements with regards to integrated waterways management in Fiji and ensures appropriate legislation, policies and plans are in place, supporting the Ministry in its operations and as well as effective management of waterways.

Institutional development is key to achieving this operational objective. As such the Ministry will, therefore, work to ensure necessary policy and plans are developed and implemented over the next five years. This will see work in the following: (i) policy and regulation reforms; (ii) conservation measures in the upper catchment to counter the environmental damage resulting from uncontrolled forestry and agriculture; (iii) flood forecasting and warning systems; (iv) capacity building of MoWE staff; (v) push to develop land use planning regulations, (vi) plans to strengthen watershed management, and (vii) drainage guidelines. Some of the policies that will be pursued by the

Ministry are National Waterways Policy, National Drainage Guidelines, Formulary of Drainage Regulates, the review, and strengthening of Land and Water Resources Management Bill (LWRM) 2016. The above policies and guidelines will be reviewed and developed as part of institutional support for Nadi Flood Alleviation Project (NFAP). It further guides the implementation of the following interventions in the National Adaptation Plan;

- i. Development of a National Waterways Policy to establish institutional arrangements to comprehensively manage waterway resources and address related issues.

## **2. Adaptive management of waterways hazards and building resilient communities through watershed management, flood control, and riverbank and coastal protection.**

This operational objective focuses on building resilience to waterways hazard through the provision of flood and coastal protection and watershed management activities. It is evident that future waterways hazards such as flood events even more frequent and severe, as this operational objective is designed to increase the adaptive capacity of all Fijians to waterways related hazards. It further guides the implementation of the interventions in the National Adaptation Plan namely;

- i. Integrate ecosystem-based adaptation measures into considerations regarding the construction of seawalls and river banks, including mangrove planting.
- ii. Implement coastal protection measures in highly vulnerable communities (e.g. foreshore protection, artificial wave breaks, etc.).
- iii. Implementation of riverbank protection activities that integrate ecosystem-based approaches with hard infrastructure, in particular, the use of riparian buffers.
- iv. Flood management activities for priority river systems, such as Nadi River, Sigatoka River, Rewa River, Labasa River.

This operational objective guides the core service provision at the Department of Waterways. This Operational Objective provides for a better understanding of flooding and implementation of appropriate plans and policies to avoid and mitigate its impacts on the community. It is important to note that not all flood risks will be eliminated and residual risk will always need to be managed effectively.

## **3. Improving utilization of land through better irrigation and improved drainage.**

This operational objective is designed based on the “inclusive socio-economic development” approach in the National Development Plan. It aims at expanding rural economy through the provision of drainage services to stimulate greater economic activity, with a great focus on expanding agriculture and building resilience to drought through the provision of smart irrigation technology to farmers.

It further guides the implementation of the following interventions in the National Adaptation Plan;

- i. Improve and maintain drainage networks in urban and rural areas as measures to protect against inland floods, considering that drainage defects are the dominant cause of floods.



# OPERATIONAL OBJECTIVES - DEPARTMENT OF WATERWAYS

**Strategic Objective: Building resilience to climate change and waterways related hazards through irrigation, improved drainage, flood control, riverbank, and coastal protection.**

Operational Objectives	Key Performance Indicator	Strategy	Delivered Outcomes Achieved by 2024
<b>Sustainable management of waterways and watersheds.</b>	Harmonizing policy and legislation in the waterways sector and develop policies and legal framework on sustainable irrigation, coastal protection, flood management, and drainage system.	<ul style="list-style-type: none"> <li>Harmonize policy and legislation pertaining to waterways management</li> </ul>	<ul style="list-style-type: none"> <li>Policy inconsistencies and inadequacies addressed</li> </ul>
		<ul style="list-style-type: none"> <li>Reform of the legal and policy framework for the sector</li> </ul>	<ul style="list-style-type: none"> <li>Revision of the Land and Water Resources Management Bill 2016</li> <li>Formulation of National Waterways Policy</li> </ul>
		<ul style="list-style-type: none"> <li>Building capacity in waterways and watershed management</li> </ul>	<ul style="list-style-type: none"> <li>Number of staff trained</li> </ul>
		<ul style="list-style-type: none"> <li>Watershed/catchment protection</li> </ul>	<ul style="list-style-type: none"> <li>Acreage of catchment areas rehabilitated</li> <li>Number of communities involved in catchment protection</li> </ul>
		<ul style="list-style-type: none"> <li>Participatory management of water resource</li> </ul>	<ul style="list-style-type: none"> <li>Number of players in water management</li> <li>Feedback from communities on the role of the Ministry in waterways and water resources management</li> </ul>
<b>Adaptive management of waterways hazards and building resilient communities through watershed management, flood control, and riverbank and coastal protection.</b>	Building resilience to climate change-induced waterways hazards through provision of flood mitigation, riverbank, and coastal protection and watershed management activities.	<ul style="list-style-type: none"> <li>Develop policies and legal framework on sustainable irrigation, coastal protection, flood management, and drainage systems</li> </ul>	<ul style="list-style-type: none"> <li>Any new policy developed and test its effective</li> </ul>
		<ul style="list-style-type: none"> <li>Maintain area under irrigation</li> </ul>	<ul style="list-style-type: none"> <li>Annual investment in irrigation maintenance</li> <li>Number of farmers utilizing irrigation schemes</li> <li>Percentage increase in the utilization of land through irrigation</li> </ul>
		<ul style="list-style-type: none"> <li>Reclaim poorly drained land</li> </ul>	<ul style="list-style-type: none"> <li>New and maintained drainage acreage</li> <li>Drainage infrastructure maintained</li> <li>Agricultural production from drained lands</li> </ul>
		<ul style="list-style-type: none"> <li>Apply a range of non-structural and structural measures to mitigate and manage existing, future and continuing flood risk.</li> </ul>	<ul style="list-style-type: none"> <li>Number of flood control projects implemented annually</li> <li>Prevalence of flooding in flood-prone areas</li> </ul>
		<ul style="list-style-type: none"> <li>Riverbank and coastal protection</li> </ul>	<ul style="list-style-type: none"> <li>Number of the river bank and coastal projects implemented annually</li> <li>Prevalence of riverbank erosion and coastal flooding</li> </ul>
<b>Improving utilization of land through better irrigation and improved drainage.</b>	Promoting equal opportunities, access to basic services and building resilient communities	<ul style="list-style-type: none"> <li>Develop drainage for rural residential communities;</li> <li>Provision for drainage for urban communities</li> </ul>	<ul style="list-style-type: none"> <li>Number of rural communities assisted with rural drainage provision</li> <li>Drainage improvement projects implemented through municipal councils</li> </ul>
<b>Mobilizing resources for water resource management and development</b>	Number of proposals developed and funded annually by development partners	<ul style="list-style-type: none"> <li>Develop innovative ways of mobilizing resource</li> </ul>	<ul style="list-style-type: none"> <li>Number of donor-funded projects in place</li> <li>Level of private sector (NGOs, CBOs) involvement in funding programmes</li> <li>The willingness of funding agencies to fund projects i.e. the number of successful projects</li> </ul>

## Strategic Objectives, Key Performance Indicators, and 5 Year Plan

STRATEGIC OBJECTIVE 1 - BUILDING RESILIENCE TO CLIMATE CHANGE AND WATERWAYS RELATED HAZARDS THROUGH IRRIGATION, IMPROVED DRAINAGE, FLOOD CONTROL, RIVERBANK, AND COASTAL PROTECTION							
Key Performance Indicator	Output	Means of verification	5-year Target				
			2019/20	2020/21	2021/22	2022/23	2023/24
Harmonizing policy and legislation in the waterways sector and develop policies and legal framework on sustainable irrigation, coastal protection, flood management, and drainage system.	Institutional and landscape management across the watershed for flood risk reduction	<ol style="list-style-type: none"> <li>1. Relevant plans developed</li> <li>2. Relevant legislation and policies developed</li> <li>3. Government economic reports and statistics</li> </ol>	<ul style="list-style-type: none"> <li>Ministry's Disaster Risk Management Plan</li> <li>National Waterways Policy preparatory works through NFAP</li> </ul>	<ul style="list-style-type: none"> <li>Revision of the Land and Water Resources Management Bill 2016</li> </ul>	<ul style="list-style-type: none"> <li>Formulation of Drainage Guidelines (NFAP-C)</li> <li>Soasoa Watershed Management Plan (GCCA-SUPA)</li> </ul>	<ul style="list-style-type: none"> <li>Formulation of National Waterways Policy</li> </ul>	<ul style="list-style-type: none"> <li>Legislations pertaining to Watershed Management (NFAP-C)</li> </ul>
Building resilience to climate change-induced waterways hazards through the provision of flood mitigation, riverbank, and coastal protection and watershed management activities	Reduced flood and coastal inundation risk to communities, safeguard and minimize property damages, human lives from inland and coastal flooding, and proactively manage the potential impacts of climate change through integration of ecosystem-based approach in coastal erosion, catchment management, flood protection, and riverbank	Annual Drainage and Flood Protection activities are undertaken <ol style="list-style-type: none"> <li>a. Dredging</li> <li>b. Riverbank protection</li> <li>c. De-silting works</li> </ol>	<ul style="list-style-type: none"> <li>Dredge Sigatoka P2&amp;3, Penang P1, and Nasivi</li> <li>5 riverbank protection works</li> <li>2 Creek de-silting.</li> </ul>	<ul style="list-style-type: none"> <li>dredging of Deuba and Sabeto Rivers</li> <li>5 riverbank protection works</li> <li>2 Creek de-silting</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance dredging of Labasa and Rewa River Phase 1.</li> <li>5 riverbank protection works</li> <li>2 Creek de-silting</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance dredging of Labasa and Rewa River Phase 2</li> <li>Dredging of small rivers and tributaries, Bucaisau and Cuvu.</li> <li>5 riverbank protection works</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance dredging of Labasa and Rewa River Phase 3</li> <li>5 riverbank protection works</li> <li>2 Creek de-silting</li> </ul>
		Annual activities implemented under the Watershed Management programme <ol style="list-style-type: none"> <li>a. In-stream Dams</li> <li>b. Vetiver Project</li> </ol>	<ul style="list-style-type: none"> <li>Construction of Mosi 3rd dam</li> <li>Mosi Dam 4 EIA study and planning for Mosi 4th dam</li> <li>2 Siltrap Dams</li> <li>At least 20 sites of riverbank rehabilitated with Vetiver grass.</li> </ul>	<ul style="list-style-type: none"> <li>Construction of Mosi 4th Dam</li> <li>Maintenance of Mosi Dam 1 and</li> <li>Nawaka Dam 3 EIA Study</li> <li>2 Siltrap Dams</li> <li>At least 20 sites of riverbank rehabilitated with Vetiver grass.</li> </ul>	<ul style="list-style-type: none"> <li>Nawaka Dam 3 construction</li> <li>De-silting Nawaka Dam 1 and 2</li> <li>2 Siltrap Dams</li> <li>At least 20 sites of riverbank rehabilitated with Vetiver grass.</li> </ul>	<ul style="list-style-type: none"> <li>Construction of Nawaka 3rd Dam</li> <li>Nawaka Dam 4 EIA</li> <li>2 Siltrap Dams</li> <li>At least 20 sites of riverbank rehabilitated with Vetiver grass.</li> </ul>	<ul style="list-style-type: none"> <li>Nawaka Dam 4 construction</li> <li>Planning of Nawaka 4th Dam</li> <li>2 Siltrap Dams</li> <li>De-silting Mosi Dam 4</li> <li>At least 20 sites of riverbank rehabilitated with Vetiver grass.</li> </ul>



	stabilization.	Annual activities implemented under the Coastal Erosion Protection Works Programme a. Seawall and coastal protection	<ul style="list-style-type: none"> <li>Coastal and Flood Protection in 10 sites</li> <li>Seawall, Namoli Lamini, Nananu, Navolau, Rukurukulevu.</li> </ul>	<ul style="list-style-type: none"> <li>Coastal and Flood Protection in 10 sites</li> </ul>	<ul style="list-style-type: none"> <li>Coastal and Flood Protection in 10 sites</li> </ul>	<ul style="list-style-type: none"> <li>Coastal and Flood Protection in 10 sites</li> </ul>	<ul style="list-style-type: none"> <li>Coastal and Flood Protection in 10 sites</li> <li>Development of Coastal Management Plan</li> </ul>
<b>Promoting equal opportunities, access to basic services and building resilient communities</b>	Improve community resilience and stimulate economic activities in peri-urban and rural areas through improved drainage and irrigation support	Maintenance of Irrigation Schemes a. Irrigation infrastructure maintenance	<ul style="list-style-type: none"> <li>Recruitment of Irrigation Engineer</li> <li>Nasarowaqa Pump house installation</li> <li>Annual maintenance of drainage schemes</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance of Nasarowaqa Irrigation Scheme</li> <li>GIS Data Capture of Nasarowaqa Scheme</li> </ul>	<ul style="list-style-type: none"> <li>EIA – de-silting of Dreketi storage Pond and Weir</li> <li>GIS Data Capture of Dreketi Scheme</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance of Korokadi Irrigation Scheme</li> <li>GIS Data Capture of Korokadi Scheme</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance of Droca Irrigation Scheme</li> <li>GIS Data Capture of Droca Scheme</li> </ul>
		Maintenance of Drainage Systems for Non-Municipal Areas	<ul style="list-style-type: none"> <li>A stocktake of drainage infrastructure</li> <li>Routine maintenance and provision of adequate drainage</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance of divisional drainage scheme</li> <li>GIS database of drainage infrastructure – Northern</li> <li>Recruitment of drainage engineer</li> </ul>	<ul style="list-style-type: none"> <li>Routine maintenance</li> <li>GIS database of drainage infrastructure of Central and Western</li> <li>Upscaling of Soasoa Scheme – EU GCCA Project</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance and refurbishment of drainage structures – flap gates, floodgates, and weirs, etc.</li> <li>Upscaling of Nasoso Scheme – EU GCCA Project</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance of divisional drainage scheme</li> </ul>
		Drainage for Rural Residential Areas Programme	<ul style="list-style-type: none"> <li>50 km of divisional rural residential drainage works</li> </ul>				
		Irrigation Support for Farm Development Programme	<ul style="list-style-type: none"> <li>At least 50 farmers assisted annually through the programme</li> <li>GIS database for assisted farmers.</li> <li>Feasibility studies for small rainwater impounding structures for irrigation in 2021</li> </ul>				

		Drainage for Farmlands Programme	<ul style="list-style-type: none"> <li>• 200 km of combined drainage works (Infield drainage – FSC and divisional drainage works)</li> <li>• Farm drainage guideline.</li> </ul>
<b>Mobilizing resources for water resource management and development</b>	Number of proposals funded by development partners	Number of proposals developed annually	<ul style="list-style-type: none"> <li>• At least 15 proposals developed and submitted to development partners annually.</li> </ul>



## DEPARTMENT OF ENVIRONMENT

### Strategic Objective - Reliable environment regulator and trusted leader in environmental policy and practice

We regard the Environment as an enabler for the socio-economic transformation of the country, as such a healthy, clean and productive environment is essential in boosting wealth creation for social transformation and sustainable development. The sustainability of key drivers of the economy such as tourism and agriculture depends on sustainable utilization and management of the environment and natural resources. Our strategic objective will guide us conserve the environment and its ecosystems through developing legal, strategic and policy frameworks. It will further guide us in spreading environmental culture and enhancing environmental monitoring and law enforcement. Moreover, through innovative policies, it will mark the transition to a green economy, contributing to achieving sustainable development goals. Over the Strategic Plan period, the Department of Environment will, therefore, focus on rational and sustainable utilization of natural resources and development and effective management of the environment. This will be achieved the following key operational objectives:

#### **1. Reliable Environment Regulator**

This operational objective will guide strengthen compliance with, and enforcement of environmental and natural resources legislation and standards at all levels and develop and implement programs for restoration of degraded fragile ecosystems through regular monitoring and enforcement. Furthermore, it will guide us to reform our approach to regulatory development and prioritize meeting our statutory obligations to ensure that regulatory expectations adhere.

#### **2. Trusted Leader in Environmental Policy and Practice.**

This operational objective will ensure that we have relevant policies in place to safeguard our environment. It will further enable us to enforce the requirements of all environmental laws and regulations in Fiji and ensure necessary environmental standards adhered to.

#### **3. Leadership through Overcoming Key Environmental Risks Threats & Challenges.**

This operational objective will work towards identifying current and future environmental threats and challenges and devising options to mitigate these risks proactively through the integration of environmental sustainability into planning. Furthermore, it will promote economic, ecological and socio-cultural values of ecosystems and biodiversity, address hazardous waste, strengthen and develop national, regional and international partnerships and networks in environmental management, promote sustainable development, increase public awareness and support green economy.

#### **4. World-Class Organizational Excellence**

This operational objective will focus on the institutional dimension by an emphasis on establishing the Department of Environment as a distinguished environmental management institution that is based on comprehensive excellence standards. The Department will also employ business process improvement strategies, such as improving efficiencies in all permitting processes, working along-side stakeholders to streamline the review and monitor permits and to improve the internal business processes. With above it aspires to achieve the highest levels of effectiveness, creativeness, and competences in implementing its activities and achieving its core role in



protecting the environment and maintaining all of its components including air, water, soil and ecosystems, and its sustainability.

## **5. Leadership In Scientific and Technical Advice**

This operational objective will continually assess the latest innovations in environmental technology and follow the latest environmental research both locally and internationally to provide sound and environment management advice and develop informed environmental management policies.





## OPERATIONAL OBJECTIVES – DEPARTMENT OF ENVIRONMENT

Strategic Objective - Reliable environment regulator and trusted leader in environmental policy and practice			
Operational Objectives	Key Performance Indicator	Strategy	Delivered Outcomes Achieved by 2024
<b>Reliable Environment Regulator</b>	Establish and maintain the current efforts towards a highly efficacious regulatory model.	<ul style="list-style-type: none"> <li>Coordinate adequate resources of the DOE, targeting interventions &amp; reduce environmental risk and Biodiversity losses.</li> </ul>	<ul style="list-style-type: none"> <li><b>A proactive regulatory model that has engaged stakeholders &amp; protects the environment for all Fijians.</b></li> <li><b>Reduced environmental risks and or breaches reported to DOE-prevention &amp; intervention models are available.</b></li> <li><b>Improved models are available for waste &amp; litter management.</b></li> </ul>
<b>Trusted Leader in Environmental Policy and Practice</b>	Leadership in national environment policy development and implementation	<ul style="list-style-type: none"> <li>Fully up-skill the DOE team resources capacity (knowledge, expertise &amp; national presence) towards Fiji's environment protection.</li> <li>Provision of timely &amp; high-quality research, policy &amp; information to meet the specific needs of the Government and the public</li> </ul>	<ul style="list-style-type: none"> <li><b>A practical model that addresses knowledge gaps and helps identify solutions to emerging and complex environmental issues in Fiji.</b></li> <li><b>A fully equipped team (fully recruited &amp; trained) – talent acquisition.</b></li> <li><b>Provision of adequate information i.e., digital, up-to-date and accessible on the environment to all stakeholder groups.</b></li> </ul>
<b>Leadership through overcoming Key Environmental risks threats &amp; challenges through awareness and advocacy</b>	Advocacy and awareness on key environment challenges	<ul style="list-style-type: none"> <li>To develop a fuller understanding of the risks &amp; establish solutions to the environmental challenges/risks</li> <li>Streamline, establish &amp; document strategic partnership networks that provide a holistic response to Biodiversity threats &amp; climate change.</li> <li>Enhanced waste &amp; pollution – management models</li> </ul>	<ul style="list-style-type: none"> <li><b>A practical, functional EIA model with guidelines that establish protection guarantees (bonding formats, TOR instruments etc.).</b></li> <li><b>An effective fully functional NEC/ Roundtable(s) &amp; active/functioning partnerships</b></li> <li><b>Waste Management Strategy- complete implemented, assessed &amp; reviewed.</b></li> </ul>
<b>World-class Organizational Excellence</b>	Organizational Excellence	<ul style="list-style-type: none"> <li>To develop &amp; align the team to deliver service quality &amp; environment outcomes excellence</li> <li>To foster a workplace culture with a culture of leadership, performance, innovation, team well-being &amp; safety</li> </ul>	<ul style="list-style-type: none"> <li><b>All policies, procedures &amp; units created, aligned &amp; established to respond &amp; adapt to emerging service/ environmental risks &amp; challenges.</b></li> <li><b>A fully assessed environmental service performance that is digitally transformed &amp; supported.</b></li> </ul>

<p><b>Leadership in scientific and technical advice</b></p>	<p>Scientific evidenced based technical advice to current environmental issues</p>	<ul style="list-style-type: none"> <li>• To inform decisions by providing sound scientific evidence-based advice to government and the National Environment Council</li> <li>• To inform the council on regional and international treaties conventions and agreements relating to the environment</li> </ul>	<ul style="list-style-type: none"> <li>• <b>All decisions at national, regional and international incorporate scientific and technical data.</b></li> </ul>
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## Our pristine environment



## Strategic Objectives, Priority Areas, General Objectives and Specific Objectives

STRATEGIC OBJECTIVES - RELIABLE ENVIRONMENT REGULATOR AND TRUSTED LEADERSHIP IN ENVIRONMENTAL POLICY AND PRACTICE							
Key Performance Indicator	Output	Means of verification	5-year Target				
			2019/20	2020/21	2021/22	2022/23	2023/24
<b>Establish and maintain the current efforts towards a highly efficacious regulatory model.</b>	Regulatory	<ul style="list-style-type: none"> <li>• More Synergies with approving authorities/EMUs/EMCs and the development of Memorandum of Agreement on the demarcation of roles and responsibilities under the EMA 2005.</li> <li>• Engage with approving authorities to support better planning decisions that takes into account the impact on environment (e.g. noise, odor, pollution) relevant local planning issues and other potential land-use conflicts.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Amend Schedules 1&amp;2 on EPS Act to align with the CITES Decisions and new scientific data available on the flora and fauna (at species level)</li> <li>▪ Enforcement of environmental Legislations</li> <li>▪ Conduct training EMU's and EMC roles</li> </ul>	<ul style="list-style-type: none"> <li>▪ Enactment of Plastic Bag Ban/assist with the drafting of any subsequent Regulation(s)</li> <li>▪ Establishment of Environment Management Unit(s) and Environment Management Committees in Ministries, Departments, and Commercial Facilities</li> </ul>	<ul style="list-style-type: none"> <li>▪ Establishment of Compliance Unit</li> <li>▪ Review the licensing and data reporting system for HFC's</li> </ul>	<ul style="list-style-type: none"> <li>▪ Effective enforcement of all environmental legislations</li> <li>▪ Preparation of HFC phase-down activities /MOUs with line agencies established</li> </ul>	<ul style="list-style-type: none"> <li>▪ Effective enforcement of all environmental legislations</li> </ul>
<b>Leadership in national environmental policy development and implementation</b>	Policy, Information & Practice	<ul style="list-style-type: none"> <li>▪ Effective implementation of laws and regulations pertaining to Environmental management</li> </ul>	<ul style="list-style-type: none"> <li>▪ National Waste Management Strategy updated</li> <li>▪ National Implementation Plan on Persistent Organic Pollutants finalized</li> <li>▪ National Chemical Profile updated</li> </ul>	<ul style="list-style-type: none"> <li>▪ Landfill Guideline finalized</li> <li>▪ National Chemical Management Plan finalised Revision of ODS laws (after the ratification of the Kigali amendment)</li> <li>▪ Policy developed on Coral Reef</li> </ul>	<ul style="list-style-type: none"> <li>▪ Established M&amp;E digital system for national reporting</li> <li>▪ Enforcement of environmental Legislations</li> </ul>	<ul style="list-style-type: none"> <li>▪ Initiate the review and updating of the NRI/SOE</li> <li>▪ Enforcement of environmental Legislations</li> </ul>	<ul style="list-style-type: none"> <li>▪ 5 yr NRI/SOE published</li> <li>▪ Enforcement of environmental Legislations</li> </ul>



			<ul style="list-style-type: none"> <li>▪ Endorsement of 5R Policy</li> <li>▪ Establishing of Digital M&amp;E framework</li> <li>▪ EIA Guideline</li> <li>▪ Formulation of HCFC Phase-out Management Plan Stage II</li> <li>▪ Enforcement of environmental Legislations</li> </ul>	<p>Management/Conservation of reef biodiversity in Fiji</p> <ul style="list-style-type: none"> <li>▪ Enforcement of environmental Legislations</li> </ul>			
<b>Advocacy and awareness of key environment challenges</b>	Advocacy	<ul style="list-style-type: none"> <li>▪ Number of awareness and advocacy campaigns conducted annually</li> <li>▪ Number Enforcement Officers trained annually</li> <li>▪ EPSA Awareness training</li> </ul>	<ul style="list-style-type: none"> <li>▪ Anti-Littering advert on print/social media</li> <li>▪ Sectoral Roundtable Consultations (e.g extractive industry)</li> <li>▪ Litter Prevention Officer Training throughout Fiji</li> <li>▪ Training for Enforcement Officers and technicians</li> <li>▪ Biodiversity (NBSAP) awareness</li> <li>▪ Awareness on CITES-listed species/TABua/endangered species (marine and terrestrial)</li> <li>▪ Awareness on the Ratification of the Kigali Amendment</li> </ul>	<ul style="list-style-type: none"> <li>▪ Anti-Littering advert on print/social media</li> <li>▪ Sectoral Roundtable Consultations (e.g extractive industry)</li> <li>▪ Litter Prevention Officer Training throughout Fiji</li> <li>▪ Training for Enforcement Officers and technicians</li> <li>▪ Biodiversity (NBSAP) awareness</li> <li>▪ Awareness on CITES-listed species/TABua/endangered species (marine and terrestrial)</li> <li>▪ Awareness of the</li> </ul>	<ul style="list-style-type: none"> <li>▪ Anti-Littering advert on print/social media</li> <li>▪ Sectoral Roundtable Consultations (e.g extractive industry)</li> <li>▪ Litter Prevention Officer Training throughout Fiji</li> <li>▪ Training for Enforcement Officers and technicians</li> <li>▪ Biodiversity (NBSAP) awareness</li> <li>▪ Awareness on CITES-listed species/TABua/endangered species (marine and terrestrial)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Anti-Littering advert on print/social media</li> <li>▪ Sectoral Roundtable Consultations (e.g extractive industry)</li> <li>▪ Litter Prevention Officer Training throughout Fiji</li> <li>▪ Training for Enforcement Officers and technicians</li> <li>▪ Biodiversity (NBSAP) awareness</li> <li>▪ Awareness on CITES-listed species/TABua/endangered species (marine and terrestrial)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Anti-Littering advert on print/social media</li> <li>▪ Sectoral Roundtable Consultations (e.g extractive industry)</li> <li>▪ Litter Prevention Officer Training throughout Fiji</li> <li>▪ Training for Enforcement Officers and technicians</li> <li>▪ Biodiversity (NBSAP) awareness</li> <li>▪ Awareness on CITES-listed species/TABu</li> </ul>



			for Fiji.	Ratification of the Kigali Amendment for Fiji.	<ul style="list-style-type: none"> <li>▪ Awareness on the Ratification of the Kigali Amendment for Fiji.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Awareness on the Ratification of the Kigali Amendment for Fiji.</li> </ul>	<ul style="list-style-type: none"> <li>▪ a/endangered species (marine and terrestrial)</li> <li>▪ Awareness on the Ratification of the Kigali Amendment for Fiji.</li> </ul>
<b>Organizational Excellence</b>	Programmes	<ul style="list-style-type: none"> <li>▪ Improved internal process and bureaucracy</li> <li>▪ Document turnaround time</li> <li>▪ Customers reviews</li> </ul>	<ul style="list-style-type: none"> <li>▪ Construction of Naboro Landfill Stage 2 Cell 3</li> <li>▪ Appointment and focused training of authorized officers/ CITES monitoring</li> <li>▪ Initiate Annual EIA Consultant Workshops</li> </ul>	<ul style="list-style-type: none"> <li>▪ Preparation &amp; implementation of HPMP Stage II</li> <li>▪ Appointment and focused training of authorized officers/ EMA monitoring.</li> <li>▪ Annual EIA Consultant Workshops</li> </ul>	<ul style="list-style-type: none"> <li>▪ Initiate the GIS System for EIA information management</li> <li>▪ Annual EIA Consultant Workshops</li> </ul>	<ul style="list-style-type: none"> <li>▪ EPSA and EMA enforcement refresher training</li> <li>▪ A fully functional GIS system</li> <li>▪ Annual EIA Consultant Workshops</li> </ul>	<ul style="list-style-type: none"> <li>▪ EPSA and EMA enforcement refresher training</li> <li>▪ Annual EIA Consultant Workshops</li> </ul>
<b>Scientific evidenced based technical advice to current environmental issues</b>	Promote research and green technology	<ul style="list-style-type: none"> <li>▪ Number green initiative introduced and implemented</li> </ul>	<ul style="list-style-type: none"> <li>▪ Explore greater partnerships with the recycling companies/provide an enabling environment for greener/environmentally friendly technologies</li> </ul>	<ul style="list-style-type: none"> <li>▪ Establishment/ Support of Waste Recirculation Projects</li> <li>▪ CITES species identification cards &amp; tabua DNA scanner</li> <li>▪ Retrofit Demonstration exercise for the fisheries sector and community demonstration engagement</li> </ul>	<ul style="list-style-type: none"> <li>▪ CITES e-permitting</li> <li>▪ Establish a partnership with at least 3 recycling companies/ Partner with the private sector on waste management</li> </ul>	<ul style="list-style-type: none"> <li>▪ Technical assessment on HFC consumption for Fiji</li> <li>▪ Explore other green technologies/Raise awareness on Green/environmentally friendly technologies</li> </ul>	<ul style="list-style-type: none"> <li>▪ Raise awareness on Green/ environmentally friendly technologies</li> </ul>

# OUR PLANS

## DEPARTMENT OF WATERWAYS

Programme	2019/ 2020	2020/2021	2021/2022	2022/2023	2023/2024
<b>Drainage and Flood Protection</b>	<ul style="list-style-type: none"> <li>Dredge Sigatoka P2&amp;3, Penang P1, and Nasivi</li> <li>8 riverbank protection works</li> <li>2 Creek de-silting.</li> </ul>	<ul style="list-style-type: none"> <li>Dredging of Deuba River</li> <li>Continue dredging of Ba, Labasa, Rewa and Sigatoka River P3</li> <li>6 riverbank protection works</li> <li>2 Creek de-silting</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance dredging of Labasa and Rewa River.</li> <li>6 riverbank protection works</li> <li>2 Creek de-silting</li> </ul>	<ul style="list-style-type: none"> <li>Dredging of small rivers and tributaries</li> <li>6 riverbank protection works</li> <li>2 Creek de-silting</li> </ul>	<ul style="list-style-type: none"> <li><b>Dredging of small rivers and tributaries</b></li> <li><b>6 riverbank protection works</b></li> <li><b>2 Creek de-silting</b></li> </ul>
<b>Watershed Management</b>	<ul style="list-style-type: none"> <li>Construction of Mosi 3rd dam</li> <li>Mosi Dam 4 EIA Study</li> <li>Planning for Mosi 4th dam</li> <li>De-silting Mosi Dam 1 and 2</li> </ul>	<ul style="list-style-type: none"> <li>Construction of Mosi 4th Dam</li> <li>Maintenance of Mosi Dam 1 and 2</li> </ul>	<ul style="list-style-type: none"> <li>Nawaka Dam 3 EIA Study</li> <li>Planning of Nawaka 3rd Dam</li> <li>De-silting Nawaka Dam 1 and 2</li> </ul>	<ul style="list-style-type: none"> <li>Construction of Nawaka 3rd Dam</li> </ul>	<ul style="list-style-type: none"> <li><b>Nawaka Dam 4 EIA Study</b></li> <li><b>Planning of Nawaka 4th Dam</b></li> <li><b>De-silting Namosi Dam 4</b></li> </ul>
<b>Coastal Protection</b>	<ul style="list-style-type: none"> <li>Coastal and Flood Protection in 18 sites</li> <li>Seawall, Namoli Lamini, Nananu, Navolau, Rukurukulevu</li> </ul>	<ul style="list-style-type: none"> <li>Coastal and Flood Protection in 10 sites</li> <li>Naloto, Qelekuro, Vatani, Dromuna, Anitioki, Nasilai, Sasa, Nakawaga, Naisausau, Matamaivere, Dravuni, Soliyaga, Rukua, Nawaisomo, Yaroi, Qarani</li> </ul>	<ul style="list-style-type: none"> <li>Coastal and Flood Protection in 10 sites</li> <li>Seawall: Muana Village, Nailou Village, Natewa Village, Uma Village, Buakonikai Village, Yaqaga Village, Tavea Village, Galoa Village, Veivatuloa Village</li> </ul>	<ul style="list-style-type: none"> <li>Coastal and Flood Protection in 10 sites</li> <li>Development of Coastal Management Plan</li> </ul>	<ul style="list-style-type: none"> <li><b>Coastal and Flood Protection in 10 sites</b></li> </ul>
<b>Maintenance of Irrigation Schemes</b>	<ul style="list-style-type: none"> <li>General Maintenance of Irrigation Scheme</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance of Nasarowaqa Irrigation Scheme</li> <li>GIS Data Capture of Nasarowaqa Scheme</li> <li>Feasibility study for new Nasarowaqa Diversion Dam</li> <li>Recruitment of Irrigation Engineer</li> </ul>	<ul style="list-style-type: none"> <li>EIA – Nasarowaqa Diversion Dam</li> <li>Construction of Nasarowaqa Diversion Dam</li> <li>EIA – de-silting of Dreketi storage Pond and Weir</li> <li>De-silting of Dreketi Weir</li> <li>De-silting of Dreketi Pond</li> <li>GIS Data Capture of Dreketi</li> </ul>	<ul style="list-style-type: none"> <li>Maintenance of Korokadi Irrigation Scheme</li> <li>GIS Data Capture of Korokadi Scheme</li> </ul>	<ul style="list-style-type: none"> <li><b>Maintenance of Droca Irrigation Scheme</b></li> <li><b>GIS Data Capture of Droca Scheme</b></li> </ul>

			Scheme		
<b>Maintenance of Drainage for Municipal Councils</b>	<ul style="list-style-type: none"> <li>• Drainage grant to respective municipal councils</li> </ul>	<ul style="list-style-type: none"> <li>• Suva</li> <li>• Lami</li> <li>• Nasinu</li> <li>• Nausori</li> </ul>	<ul style="list-style-type: none"> <li>• Drainage grant to respective municipal councils</li> <li>• Development of Drainage Guideline for Municipal Councils in the Western Division;</li> <li>• Sigatoka</li> <li>• Lautoka</li> <li>• Nadi</li> <li>• Ba</li> </ul>	<ul style="list-style-type: none"> <li>• Drainage grant to respective municipal councils</li> <li>• Development of Drainage Guideline for Municipal Councils in the Northern Division;</li> <li>• Labasa</li> <li>• Savusavu</li> <li>• Levuka</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Drainage grant to respective municipal councils</b></li> <li>• <b>Development of Drainage Guideline for Municipal Councils in the Western Division;</b></li> <li>• <b>Tavua</b></li> <li>• <b>Rakiraki</b></li> </ul>
<b>Drainage for Farmlands</b>	<ul style="list-style-type: none"> <li>• Infield drainage – FSC</li> <li>• Divisional drainage works</li> </ul>	<ul style="list-style-type: none"> <li>• Infield drainage –FSC</li> <li>• Divisional drainage works</li> </ul>	<ul style="list-style-type: none"> <li>• Infield drainage– FSC</li> <li>• Divisional drainage works</li> </ul>	<ul style="list-style-type: none"> <li>• Infield drainage-FSC</li> <li>• Divisional drainage works</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Infield drainage – FSC</b></li> <li>• <b>Divisional drainage works</b></li> </ul>
<b>Drainage for Rural Residential Areas</b>	<ul style="list-style-type: none"> <li>• Divisional rural residential drainage works</li> </ul>	<ul style="list-style-type: none"> <li>• Divisional rural residential drainage works</li> </ul>	<ul style="list-style-type: none"> <li>• Divisional rural residential drainage works</li> </ul>	<ul style="list-style-type: none"> <li>• Divisional rural residential drainage works</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Divisional rural residential drainage works</b></li> </ul>
<b>Maintenance and Drainage System for Non-Municipal Areas</b>	<ul style="list-style-type: none"> <li>• Maintenance of divisional drainage scheme</li> <li>• GIS database of drainage infrastructure – Northern</li> </ul>	<ul style="list-style-type: none"> <li>• Recruitment of drainage engineer</li> <li>• Stocktake of drainage infrastructure</li> </ul>	<ul style="list-style-type: none"> <li>• Routine maintenance</li> <li>• GIS database of drainage infrastructure</li> <li>• – Central and Western</li> </ul>	<ul style="list-style-type: none"> <li>• Maintenance and refurbishment of drainage structures – flap gates, floodgates, and weirs, etc</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Maintenance of divisional drainage scheme</b></li> </ul>
<b>Irrigation Support for Farm Development</b>	<ul style="list-style-type: none"> <li>• 100 farmers assisted through the programme</li> <li>• GIS database for assisted farmers</li> </ul>	<ul style="list-style-type: none"> <li>• 100 farmers assisted through the programme</li> <li>• GIS database for assisted farmers.</li> <li>• Feasibility studies for small rainwater impounding structures for irrigation</li> </ul>	<ul style="list-style-type: none"> <li>• 100 farmers assisted through the programme</li> <li>• GIS database for assisted farmers</li> </ul>	<ul style="list-style-type: none"> <li>• 100 farmers assisted through the programme</li> <li>• GIS database for assisted farmers</li> </ul>	<ul style="list-style-type: none"> <li>• <b>100 farmers assisted through the programme</b></li> <li>• <b>GIS database for assisted farmers</b></li> </ul>

## DEPARTMENT OF ENVIRONMENT

Programme	Delivered Outcomes Achieved by 2025
<b>Environment Impact Assessment (EIA) Unit</b>	<ul style="list-style-type: none"> <li>▪ Enforcement of the Environment Management Act 2005 and the Environment Management (EIA Process) Regulations 2007.</li> <li>▪ Specialized/targeted trainings for officers, including short training for officers on preparing legal submissions and responses (including submissions made to the Solicitor General's Office and the Environmental Tribunal).</li> <li>▪ EIA Consultant Guideline and Code of Conduct fully implemented.</li> <li>▪ Improved service delivery (customer service); the Unit's responses to clients are timely, accurate and consistent.</li> <li>▪ Easy-to-read awareness materials available to assist stakeholders in understanding the EIA process.</li> <li>▪ All environmental crime cases are referred for prosecution/ successful prosecution of environmental crimes by certified Environment prosecutors.</li> <li>▪ E- Tracking System for processing EIA related applications/approvals developed and fully operational.</li> <li>▪ Environmental policies and application of controls on emerging environmental issues strengthened (this includes assimilation of resource management and climate change controls within EIA approval conditions).</li> <li>▪ Guideline for the identification of development projects and undertakings that will require an Environment Management Plan (EMP), Construction Environment Management Plan (CEMP) or Operational Environment Management Plan (OEMP) developed.</li> <li>▪ Monitoring of approved projects/developments on a regular basis.</li> <li>▪ A comprehensive EIA database established.</li> <li>▪ EIA Guidelines gazetted.</li> <li>▪ EIA Consultant listing is reviewed on regular basis.</li> <li>▪ Environment Impact Assessment register continuously updated.</li> <li>▪ Private Sector clients informed of the EIA requirements and processes on a regular basis.</li> </ul>
<b>Waste and Pollution Control Unit</b>	<ul style="list-style-type: none"> <li>▪ Enforcement of the Environment Management Act 2005 and the Environment Management (Waste Disposal and Recycling) Regulations 2007</li> <li>▪ Increased recycling and recycling facilities in Fiji.</li> <li>▪ Increased number of companies complying with the Environmental Management Act 2005.</li> <li>▪ Litter Act 2008 fully enforced.</li> <li>▪ Clean Environment Policy fully implemented.</li> <li>▪ General Public aware of the negative environmental impacts of littering.</li> <li>▪ E- Tracking System for processing Waste and Pollution Control permits developed and fully operational.</li> <li>▪ National Landfill Guideline formulated.</li> <li>▪ National 5R Policy endorsed.</li> </ul>

	<ul style="list-style-type: none"> <li>▪ National Implementation Plan for Persistent Organic Pollutants and a National Chemical Profile finalized. A National Chemical Management Plan implemented.</li> <li>▪ Hazardous waste management guideline developed.</li> <li>▪ Strategy on Disaster Waste Management developed.</li> <li>▪ National Waste Management Strategy and Action Plan finalized and implemented.</li> <li>▪ Full compliance with related environmental conventions (that the Department is a focal point for) - including meeting reporting requirements</li> </ul>
<b>Resource Management Unit (RMU)</b>	<ul style="list-style-type: none"> <li>▪ The National Biodiversity Strategy &amp; Action Plan (NBSAP) and the Implementation Framework (IF) finalized and implemented.</li> <li>▪ Fiji's State of Environment Report and the Natural Resources Inventory finalized.</li> <li>▪ 10 wetlands of national/international significance identified.</li> <li>▪ Enforcement of the Endangered and Protected Species (EPS) Act 2002 and Reg. 2003, Amendment Act 2017 and ensuring Fiji's commitment to the Convention on International Trade in Endangered Species of Wild Flora and Fauna (CITES) are adhered to.</li> <li>▪ Policy on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits arising from their utilization Policy finalized.</li> <li>▪ The Management Authority and the Scientific Council fully functioning.</li> <li>▪ E- Tracking System for processing CITES/EPS Act related permits developed and fully operational.</li> <li>▪ Full compliance with related environmental conventions (that the Department is a focal point for) - including meeting reporting requirements</li> <li>▪ General Public fully aware of the important roles played by different ecosystems (coral reefs/mangroves/forests).</li> <li>▪ At least 10 biodiversity hotspots identified and gazetted.</li> <li>▪ Restoration Plans for degraded ecosystems established and implemented.</li> <li>▪ Mangrove areas mapped and four Mangrove Management Committee (MMC) meetings convened per year.</li> <li>▪ Natural Resource Owners Committee meetings convened and environmental issues arising from the meetings resolved/addressed. Non-Environmental related matters will be referred to the relevant Ministries.</li> <li>▪ National Environment Strategy developed and finalized.</li> </ul>
<b>Project Management Unit (PMU)</b>	<ul style="list-style-type: none"> <li>▪ Database for all <b>environmental</b>/natural resource related <b>projects</b>, development partners' priorities and financing windows created.</li> <li>▪ <b>Standard templates for technical &amp; financial requirements</b> developed.</li> <li>▪ <b>Monthly Monitoring and evaluation of environmental/natural resource-related donor-funded projects.</b></li> <li>▪ Monthly <b>roundtable meetings with various agencies on funding opportunities</b> held.</li> <li>▪ <b>Impact Evaluation Assessments of environmental/natural resources related projects</b> conducted on quarterly basis.</li> </ul>



**Ozone Depleting  
Substances (ODS)  
Unit**

- HPMP Stage II Project implemented.
- Ozone Depleted Substances Act **1998** fully enforced.
- Database on all permits established.
- E- Tracking System for processing ODS related permits developed and fully operational.
- **ODS Storage space** identified and secured.
- **Kigali Amendment** ratified and legislative amendments made to ensure compliance.
- **Licensing and data reporting systems on HFC** reviewed.
- Technical **assessments on the industry to gauge projections on HFC consumption and the introduction of new alternatives** conducted.
- Full compliance with related environmental conventions (that the Department is a focal point for) - including meeting reporting requirements.
- All ODS related crime cases are referred for prosecution/ successful prosecution by certified Environment prosecutors.
- Business Roundtables with industry stakeholders held on quarterly basis.

## BUDGET

The plan has been costed at 175.5 million Fijian dollars over the five year period. The major source of funding will be from the Government of Fiji and subsequently by the development partners.

Department	Year 1	Year 2	Year 3	Year 4	Year 5	Total
Department of Waterways	20 million	22 million	25 million	25 million	28 million	120 million
Department of Environment	10 million	12 million	10 million	12.5 million	11 million	55.5 million

The Ministry will continue to review and report aspects of the implementation of the strategic plan 2020-2024 through management reviews, audits of specific activities or sites, and annually in the Ministry's Annual Report. This strategic plan shall incorporate elements Nadi Flood Alleviation Project (NFAP) once the project interventions are finalized.





**MINISTRY OF WATERWAYS  
AND ENVIRONMENT  
REPUBLIC OF FIJI**