



NATIONAL WATER HARVESTING AND STORAGE AUTHORITY

'Hifadhi Maji, Boresha Maisha'



STRATEGIC PLAN 2022 - 2027







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AlA - Appropriations in Aid

AIDS - Acquired Immunodeficiency Virus
BDU - Business Development Unit
CEO - Chief Executive Officer

CS - Cabinet Secretary/Certified Secretary/

Corporate Secretary

EDMS - Electronic Document Management System

ERP - Enterprise Resourcing Plan

GM CS&LS - General Manager, Corporate Secretary &

Legal Services

GM IMRC - General Manager, Infrastructure Development and

Emergency Response

GM-CS - General Manager, Corporate Services
GM-IA - General Manager, Internal Audit

GM-IDER - General Manager, Infrastructure Development and

Emergency Response

GM-IPESS - General Manager, Infrastructure Planning,

Environment and Social Safeguard

GM-RSCPC - General Manager, Research, Strategy &

Corporate Planning and Compliance

HIV - Human Immunodeficiency Virus

ICT - Information, Communication Technology
IEC - Information, Education Communication

KEBS - Kenya Bureau of Standards

KNBS - Kenya National Bureau of Statistics
ME&R - Monitoring, Evaluation & Reporting
MoU - Memorandum of Understanding

MTP - Medium Term Plan

NCA - National Construction Authority

NEMA
 National Environmental Management Authority
 NWCPC
 Nairobi Water Conservation & Pipeline Corporation
 NWHSA
 National Water Harvesting and Storage Authority
 PESTEL
 Political, Economic, Socio-cultural, Technological,

Environmental, Legal

PPP - Public-Private Partnership
RAP - Resettlement Action Plan

SDG - Sustainable Development Goals

SWOT - Strengths, Weaknesses, Threats, Opportunities

TNA - Training Needs Assessment WRA - Water Resources Authority

DEFINITION OF TECHNICAL TERMS



1.	Check Dam	_	A wall across a stream, river or valley to
			regulate the flows of run-off water

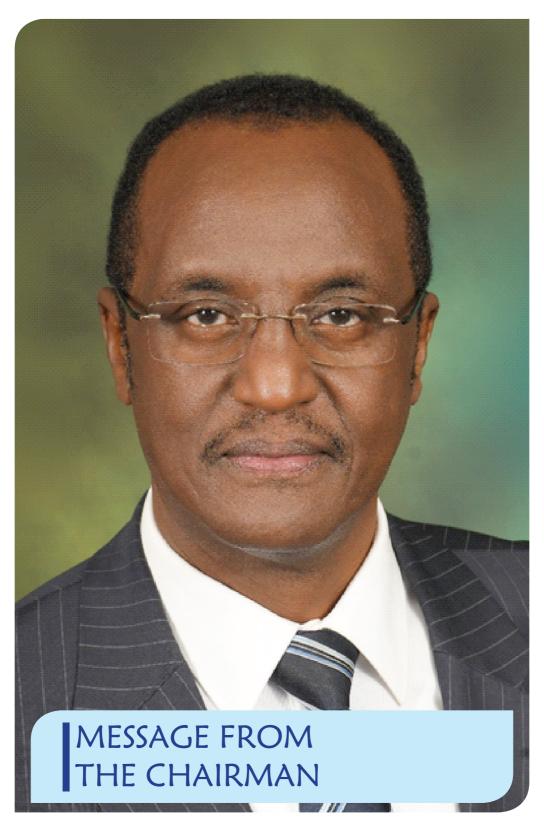
- Cross-Cutting Issues

 Topics or activities, which by their very nature, have a strong impact on all operations in a given field and must receive special attention
- Dyke

 Barrier to restrain a river from over flowing outside its course
- **4. Institutional Capacity Building** Measures taken in order to harness full potential of the resources in an institution
- Large Dam

 A dam with embankment height of 15m
 and above
 - A dam of between 10m and 15m embankment height, with a reservoir volume of 1 million cubic meters or more is also in this category
- 6. Medium DamA dam with embankment height of between 6m and 15m
- 7. National Public Water Works Water storage and water harvesting
 - Works for bulk distribution and provision of water services
 - Inter-basin water transfer facilities
 - Reservoirs for impounding surface run-off and for regulating stream flows to synchronise them with water demand patterns which are of strategic or national importance
- 8. River Training

 To return a river to its original course or deliberately directing it away from its natural course



he centrality of access to water has been given prominence in global, regional and national development agenda. For instance, although it would be practically impossible to realize sustainable development goals (SDGs) without addressing the question of access to water, this commodity has direct bearing on certain SDGs. These include Goal 1 on ending poverty in all its forms everywhere; Goal 2 on ending hunger, achieving food security and improving nutrition; Goal 3 on promoting healthy lives and well-being and lastly, Goal 6 on ensuring availability of water and sanitation.

In Kenya, Vision 2030 recognises water as a critical development ingredient while the Constitution of Kenya 2010 decrees that access to water is a human right. Kenya has consequently formulated several policies and enacted legislation, the Water Act 2016, to operationalise the constitutional provision on access to water. These efforts notwithstanding, challenges associated with water as a human right and development need persist.

Owing to climate change dynamics, the security of water sources cannot be guaranteed. Rivers and lakes are drying up and in some occasional cases, their water levels rise and cause untold destruction to property, life and livelihoods. At the same time, human population is increasing rapidly, thus necessitating scale-up of water provision efforts. This is the backdrop against which the National Water Harvesting & Storage Authority makes efforts to promote access to water as well as control its disastrous effect of flooding in Kenya. Under the 2022-2027 Strategic Plan, NWHSA family will make individual efforts and also build synergies towards fulfilling the mandate of our organisation.

Maj. Gen. (Rtd) Andrew Ikenye, CBS CHAIRMAN OF THE BOARD



pater is a basic need without which there would be no life on earth. It is on the basis of this recognition that the Constitution of Kenya 2010 provides that every Kenyan has a right to water. Although water is the most abundant resource on the earth's surface, there is scarcity of clean water for domestic use as well as industrial and agricultural purposes. However, through various water sector agencies, the Government of Kenya is committed to ensuring that the national water needs are met and the flooding menace is controlled.

On its part, the National Water Harvesting and Storage Authority undertakes its core mandate of developing, maintaining and managing national public works for water resources storage and flood control. This is a hefty responsibility that requires huge resource input, elaborate implementation and coordination mechanisms as well as synergy building among stakeholders.

In order to effectively address the said organisational and programmatic operational needs, the Authority has developed this Strategic Plan as a guiding framework. As water stakeholders, we all know that our determination to make the implementation process of this Strategic Plan a success will no doubt, diminish the effects of the inevitable challenges ahead. This will be the source of our motivation to work harder to ensure that Kenyans enjoy the positive impacts of this Strategic Plan.

CS. Sharon Obonyo
Ag. CHIEF EXECUTIVE OFFICER



ACKNOWLEDGEMENT



he Authority wishes to express gratitude to institutions and individuals that contributed to the development of this Strategic Plan in one way or the other. In particular, we acknowledge the able leadership of our parent Ministry of Water, Sanitation and Irrigation led by Cabinet Secretary Ms. Sicily Kariuki, Chief Administrative Secretary Dr. Andrew Tuimurand Principal Secretary Mr. Joseph W. Irungu. Special thanks go to the Water Secretary Eng. S.A.O. Alima for proposing key policy inputs that enriched the Plan.

We are equally grateful to our Board, led by its Chairperson Mr. Erick Okeyo, for insightful leadership and support towards the entire Strategic Plan development process. Further, we are highly indebted to the members of the Strategy, Technical and Business Development Committee and the Management appointed Strategic Planning Committee, led by the Acting CEO Ms. Sharon Obonyo, for working tirelessly to convert proposals made by the stakeholders into draft plans that culminated in the final copy.

Our special gratitude goes to the consultants from Kenya School of Government and Outlook Solutions for serving as process facilitators.

Last but not least, we appreciate contributions made by the staff of NWHSA and our all-important stakeholders including other water sector institutions towards making the entire Strategic Plan development process a success.

Dr. Jane Mwikali
CHAIRPERSON, STRATEGY, TECHNICAL &
BUSINESS DEVELOPMENT COMMITTEE





EXECUTIVE SUMMARY

he National Water Harvesting and Storage Authority is established under Section 30 of the Water Act 2016. Section 149 of the Water Act 2016, created the Authority from National Water Conservation & Pipeline Corporation (NWCPC) which was established under the State Corporations' Act Chapter 446 of the Laws of Kenya vide Legal Notice No. 270 of 24th June, 1988.

The Authority's mandate and functions as stipulated in Section 32 of the Water Act 2016 are several but the key ones are two-fold namely:

- (i) Undertake on behalf of the National Government, the development of National Public Water Works for water resources storage and flood control; and,
- (ii) Maintain and manage National Public Water Works Infrastructure for water resources storage.

In essence, the mandate of the Authority is to contribute to the national agenda of promoting access to water by Kenyans as provided for by the Constitution of Kenya 2010 as well as control of flooding in the country, leading to prevention and control of destruction to property and lives. The NWHSA undertakes its mandate and functions against the backdrop of increasing demand for water as well as climate changes leading to floods and shrinking natural water resources among other factors.

It is in consideration of the said factors influencing water access and flooding incidents in the country that the NWHSA developed this Strategic Plan. The Plan is to guide the Authority in prioritizing interventions within its mandate to be implemented within the period 2022–2027. The Plan also serves as a resource mobilisation tool for the Authority's identified development projects in addition to guiding its performance contracting role.

The development of this Strategic Plan was informed by a situational analysis which involved five major milestone actions namely:

- (i) Review of the performance of the previous strategic plan (2015–2020);
- (ii) Review of relevant water policies, strategies and legislation;
- (iii) SWOT/PESTEL Analysis;
- (iv) Stakeholder Analysis and Involvement; and,
- (v) The lessons learnt from the entire situational analysis.

The situational analysis processes gave forth to five strategic objectives whose implementation is to be guided by the strategic philosophy namely Vision, Mission, Mandate and Core Values of the Authority. Of the strategic objectives crystallised, the key ones includes;

- (i) Increasing water storage in the country by 148.6 million cubic meters by the year 2026 and enhance sustainability of constructed water structures through operations and maintenance; and,
- (ii) Protecting/saving lives and property from the effects of floods and drought by construction and maintenance of 70km of dykes, construction of 125 No. small pans/dams and 203 No. boreholes.

For purposes of operationalisation, the strategic objectives are broken down into activities, objectively verifiable indicators and means of verifications in an implementation matrix. Further, the implementation matrix elucidates the implementing agency, targets of deliverables and the corresponding budget. The strategic plan provides for monitoring, evaluation and reporting (M,E&R) which will be carried out with a view to ensuring that the implementation process proceeds according to the schedule. Moreover, evaluation will seek to determine effectiveness, efficiency, sustainability and impact of the plan's interventions.

The entire implementation process, estimated to cost Kshs 59.184 billion, will be coordinated by the office of the Chief Executive Officer with regular updates to the Board of Directors.

CHAPTER 01



INTRODUCTION

1.1 Background Information

1.1.1 Mandate of National Water Harvesting and Storage Authority

The National Water Harvesting and Storage Authority (NWHSA) was established by the Water Act No. 43 of 2016 on 21st April, 2017. This effectively transformed it from the defunct National Water Conservation & Pipeline Corporation (NWCPC) with the following mandate:

- (1) The functions and powers (mandate) of the Authority (NWHSA) under the Act shall be to:
 - (a) Undertake on behalf of the national government, the development of national public water works for water resources storage and flood control;
 - b) Maintain and manage national public water works infrastructure for water resources storage;
 - c) Collect and provide information for the formulation by the Cabinet Secretary of the national water resources storage and flood control strategies;
 - d) Develop a water harvesting policy and enforce water harvesting strategies;
 - e) Undertake on behalf of the national government strategic water emergency interventions during drought; and
 - f) Advise the Cabinet Secretary on any matter concerning national public water works for water storage and flood control.
- (2) The Authority may appoint agents for the operation, management, maintenance and safety of any storage infrastructure that it has developed.
- (3) The Authority shall have such other powers and functions as may be conferred or imposed on it by this or any other Act.

The Constitution of Kenya 2010 Chapter Four on Bill of Rights, Part I Section 43 (1) (d) provides for "the right to clean and safe water in

adequate quantities as an economic and social right for every person". In the Fourth Schedule, the National Government is obligated under Part I, Section 19 to undertake National Public Works. Further, in Section 22 (c) "Protection of Environment and Natural resources and in particular water protection, securing sufficient residual water, hydraulic engineering and the safety of dams", while the County Government's functions under Part II, Section 11 (a) & (b) are responsible for storm water management systems in built-up areas; water and sanitation services. Therefore, National Water Harvesting and Storage Authority (NWHSA) under Water Act 2016, is obligated to undertake on behalf of the National Government, the development of national public water works for water resources storage, flood control and drought emergency response.

1.1.2 Water Access and Flood Situation

According to United Nations report 2018, there are 2.1 billion people globally living without safe water at home and 80 percent of these people live in rural areas. Water scarcity continues to be a global challenge as the population increases coupled with erratic climate patterns leading to floods, rising sea levels, and global warming. These changes have negative impact on food security, health and general social-economic development. However, Sustainable Development Goals, particularly Goal 6 on ensuring availability and sustainable management of water and sanitation for all, provides an optimistic framework for addressing the concerns associated with water access at international level.

On her part, Africa is guided by Agenda 2063 framework that provides for equitable and sustainable use and management of water resources for the continent's socio-economic development and regional cooperation. However, the situation of water access on the continent is still not quite impressive. At first glance, Africa appears to be endowed with abundant water resources. Africa has big rivers, large lakes, vast wetlands, and limited but widespread groundwater. Much of this is located in the Central African sub-region and in the island countries. Africa has 17 No.rivers with catchments areas greater than 100,000km²; and it has more than 160 No.lakes larger than 27km², most of which are located around the equatorial region and the sub-humid East African Highlands within the Rift Valley.

Rainfall in Africa is about 670mm per year with greater variation in time and place. Temporal variability of rainfall is typically 40 percent

around the mean; much higher than in temperate zones. At sub regional level, the spatial distribution of rainfall is varied. The highest rainfall occurs in the Island countries (1,700mm per year), the Central African countries (1,430mm), and the Gulf of Guinea (1,407mm). The lowest precipitation occurs in the northern countries where average annual rainfall is only 71.4mm.

In spite of the vast availability of water in Africa, supply services are highly inadequate. In rural Africa, for instance, about 65 percent of the population does not have access to adequate supply of water. In urban areas, 25 percent do not have access to adequate water.

Kenya's water access and flooding challenges appear to mirror the bigger picture of African continent. With an estimated population of 47.6 million(KNBS, 2019), Kenya is characterised as water scarce as about 80 percent of the country is arid and semi-arid. At the same time, flooding is a frequent occurrence in the country especially during heavy rains. Rivers Nzoia, Nyando and Tana are among the rivers known for flooding catastrophies. In spite of that, the rain water that causes flooding present a huge opportunity for harvesting, storage and use in dry seasons particularly in semi-arid and arid areas of Kenya.

Owing to increasing need for water for domestic use as well as agricultural and industrial purposes to support the Government's Big Four Agenda and to satisfy the Constitution of Kenya 2010 provision of the right to water, there is considerable pressure exerted on the country's available water resources which take different forms. For instance, the average annual rainfall in Kenya is 630mm with a variation from less than 200mm in Northern Kenya to over 1,800mm on the slopes of Mt. Kenya. Her water endowment at 647m³/capita is below the global bench mark of 1,000m³/capita. Freshwater resources are limited and unevenly distributed in Kenya; therefore, the contribution made by dams and reservoirs to the harnessing of water resources are inevitable (Samantha Marshall, 2011).

The development of water storage includes water harvesting as outlined in the National Water Harvesting and Storage Policy 2010, which recommends water storage increase from the current 5.3m³ per capita to 16m³ per capita by 2030 taking into account, among other factors, Kenya's population growth. This requires an increase in capacity from 124Mm³ to 4.5Bm³ over the same duration.

The current status of storage shows that nationally, there are 26 large dams with about 3,906Mm³ of stored water for hydropower. The total capacity of the major water supply storage dams is about 95Mm³. Another 47 No. relatively large non-hydroelectric dams and 3,000 No. small dams together with pans had a total storage of 124Mm³ by the year 2010. This total combined is below the threshold value of 4.5Bm³ implying that there is need to increase storage (Draft National Water Strategy, 2019).

Against the stated background, the Government of Kenya is committed to ensuring that Kenyans have access to adequate water by the year 2030. Currently, the water coverage in Kenya stands at 60 percent and the Ministry of Water, Sanitation and Irrigation aims to achieve 80 percent target by 2022.

1.2 Significance of Strategic Plan

This Strategic Plan serves the purpose of crystallising and prioritising the strategic interventions that the NWHSA will implement within the period 2022–2027 towards fulfilling its mandate. To that extent, the Strategic Plan helps the Authority to focus its efforts. Further, the Plan serves as a resource mobilisation tool for activities and projects planned for implementation within the stated time-frame. Lastly, the Plan is the basis for performance contracting for the staff of the NWHSA.

1.3 Method

The Authority adopted a consultative and participatory approach with key stakeholders at all levels. The process involved the following milestone actions:

- (a) A review of the National Water Conservation & Pipeline Corporation's Strategic Plan (2015–2020).
- (b) A review of relevant policies, legislations and strategies (see references).
- (c) Analysis of the external environment (PESTEL) and internal operating environment (SWOT).
- (d) Administration of questionnaires to key stakeholders.
- (e) Stakeholder analysis and involvement.
- (f) Strategic focus areas inform of strategic objectives were crystallised from the situational analysis to guide the process of drafting the Plan.
- (g) Drafts of the Strategic Plan were generated and reviewed by the stakeholders before the final copy was generated.



Core trench. On-going construction of Siyoi (Muruny) Dam in West Pokot County.



Sections of works at Siyoi (Muruny) Dam. On-going construction of water storage tanks at Kapsait to serve Kapenguria, Makutano towns and its environs.



Siyoi (Muruny) Dam. On-going construction of Kabichbich water treatment works.





SITUATIONAL ANALYSIS

2.1 Introduction

In this chapter, the performance of previous NWSHA Strategic Plan (2015–2020) in terms of achievements and challenges is interrogated. Further, internal and external operating contexts of NWSHA with respect to how they influence the Authority's mandate, are examined.

2.2 Performance of the Previous Strategic Plan

During the period 2015–2020, the aim of the defunct NWCPC was to develop and manage utility assets that would ensure adequate and sustainable water and sanitation services. The Plan had six key strategic objectives. The table below presents achievements of the Plan.

Table 1: Summary of Performance 2015–2020

OBJECTIVE	%	ACHIEVEMENTS
Strategic Objective 1: Develop and manage National Public Water Works Infrastructure	9	 Muruny (Siyoi) Dam was initiated Bosto Dam was to be implemented under EPC
Strategic Objective 2: To reduce the risks (mitigate the effects) of floods and droughts	57	Drilled and operationalised 375No. boreholes21kmof dykes constructed
Strategic Objective 3: To mainstream cross—cutting issues in the Corporation's activities	87	 Mainstreamed HIV/AIDs, Gender, Disability, National Cohesion and Values, Drugs & Substance Abuse and Corruption Eradication in line with the relevant Government set guidelines
Strategic Objective 4: To strengthen and build the institutional capacity of the Corporation	58	 Recruited 15No. members of staff Trained Directors of the Board and members of staff
Strategic Objective 5: To enhance financial sustainability of the Corporation	48	 Developed funding proposals for external funding of projects

OBJECTIVE	%	ACHIEVEMENTS
Strategic Objective 6: Improve Corporate Image of the Corporation	69	 Carried out one customer satisfaction survey Participated in 2 No. Nairobi International Trade Fairs Installed and operationalised an ERP system (Finance, Procurement and HR modules) High CAJ rating & improved customer satisfaction
AVERAGE ACHIEVEMENT	54.7	Above Average

2.3 PESTEL Analysis

The following is the result of analysis of external operating environment of the Authority.

Table 2: PESTEL Analysis

ISSUE	OBSERVATIONS	EFFECT
Political	 Increased concern on corporate governance issues Human rights issues Terrorism International and regional relationships Devolved water services functions Political input Land tenure ownership / dynamics 	 Misplaced priorities and delayed implementation of projects Increased litigations Insecurity Delayed implementation of projects due to binding international treaties Overlaps in mandate Misplaced priorities Delayed implementation of projects Escalation of project cost
Economic	 Fluctuating world prices in water items Dynamic tax regimes Inadequate sources of capital/ escalation of project costs 	Escalation of project costsProject cost variationsDelayed project execution

ISSUE	OBSERVATIONS	EFFECT
\$ ocio-cultural	 General public awareness of their rights Special interest groups Rapid urbanisation and informal settlements Land tenure system especially where compensation is concerned Cultural and social beliefs on ancestral land 	 Need to respond to public demands on water & management issues Need for more involvement of special interest groups in management of water resources Increased pollution, environmental degradation and challenges on waste management Conflicts and delays in project implementation also due to escalated cost of compensation Resistance to project implementation
T echnological	 Dynamic technological trends Low funding for research and development Knowledge management & information sharing 	 Obsolescence and high cost of adopting new technology Minimal innovations and creativity Low transfer of knowledge & information sharing
E nvironmental	Climate changePollution	 Depletion of aquifers Desertification & environmental degradation Declined river flows & floods Conflict for resources High cost of water treatment High cost of medication
Legal	 International treaties and conventions Delayed formulation of regulations for the Water Act 2016 Non-gazettement of National Public Water Works Changes in the legal framework 	 Delayed implementation of projects Uncoordinated implementation of projects, conflict and overlap Uncoordinated implementation of projects, conflict and overlap Costly and lengthy legal processes

2.4 SWOT Analysis

In this analysis, the strengths, weaknesses, opportunities and threats of the Authority are examined. While the strengths and weaknesses relate to the internal context of the Authority in terms of human resource capacity as well as systems and structures, the opportunities and threats have to do with the factors arising from the external environment of the organisation. The strengths, weaknesses, opportunities and threats influence the performance of the Authority. In the analysis, each SWOT component is presented, accompanied by its attendant contributory factors and strategic response.

2.4.1 Strengths

Table 3: Strengths

Table 3: Strengths			
Strength	Contributory Factors		
Good governance and institutional framework	 The Authority has: Formulated Water Harvesting Strategy in collaboration with the parent Ministry Reserved and awarded 30 percent of procurement budget to youth, women and persons with disabilities Put in place corporate leadership and governance structures 		
Research, Development and Technology	 Embraced sustainable technologies in water resource development and green technology like water pumps driven by solar and/or wind power 		
Strong partnerships and collaboration for resource mobilisation and capacity devolvement	 Collaborate and build capacity in counties in water infrastructure development by signing of MoUs with County governments and National government institutions Diversify sources of income to supplement government Exchequer funds through establishment of Business Development Unit which provides extra funds through A-in-A Increased capacity among staff through training, recruitment and exposure in water infrastructure development and management Acquired plant, equipment and possession of prime land to facilitate development of water resource infrastructures 		

Strength	Contributory Factors
Authority is established with a clear legal mandate	 Water harvesting and infrastructure development as per the Water Act 2016
A wealth of experience in water infrastructure development and management	Continuous capacity building in water infrastructure development and management
Strong technical, financial, audit and other systems are in place	Continuous improvement and maintenance
Competent and experienced staff with diverse technical capacity	Continuous capacity building
Website and interactive social media platforms in place	Updated and interactive website and social media platforms

2.4.2 Weaknesses

Table 4: Weaknesses

Weakness	Contributory Factors	Strategic Response
Inadequate Publicity	Inadequate funding for publicity	 Increased budget for publicity Innovation and branding of motor vehicles and other assets Establishment of Regional offices

Weakness	Contributory Factors	Strategic Response
High turnover of Management Staff	 Uncompetitive remuneration Unethical practices Improper succession plan 	 Enforce ethical policies and code of conduct Re-categorisation of the Authority Staff retention and succession policy Establish and implement internal dispute conflict resolution mechanisms
Dated Technologies	 Aging plant, ICT and construction equipment &software 	 Capacity building through training Change management Update and replacement of technologies, equipment & plants
Over establishment and skill gap/mis- match leading to idle skills in some departments	 Non- implementation of the scheme of service Change of mandate 	 Restructuring the Authority in line with current mandate Correct placement of staff in accordance with qualifications
Lack of internal coordination and communication	Instability in managementUnethical practices	Recruitment of top managementCulture change
Poor organisational image	 Historical liabilities Weak internal systems and controls Logical conclusion to reforms in Water Sector 	 Improving internal systems and communication to stakeholders
Inadequate funding for implementa- tion of projects and overdependence on Exchequer	 Delayed Exchequer disbursement as per the signed contracts for service delivery institution 	 Appeal for prioritisation of funding for ongoing projects Explore other project funding sources Diversify and seek for external financing
Pending / historical bills	Directives from the governmentLate disbursement of funds	Stick to work plans and budgeted resources

2.4.3 Opportunities

Table 5: Opportunities

Opportunity	Strategic Response
Kenya's Vision 2030 has provided for the development of various water infrastructure flagship projects to spur economic growth, improve social welfare among others	 The Authority intends to implement the Medium-Term Plan (MTP III & IV) projects (Large dams and flood control)
Water Act 2016 has entrenched a clear mandate for the Authority	 Authority is strategically structured to undertake its mandate as per the Water Act 2016
Potential linkages with Development partners and stakeholders	 Authority has established an independent Partnership Development and Resource Mobilisation Unit
High/growing demand for water harvesting and storage within Kenya and beyond	 Authority will fully undertake its mandate and collaborate with all other Water Sector players
Advanced technology in water infrastructure development	 Authority will embrace technological advancement in the development of water infrastructure
Existence of regional markets	 Authority will strive to penetrate the regional market for water resource infrastructure development and collaboration

2.4.4 Threats

Table 6: Threats

Threats	Contributory Factors	Strategic Response
Lack of regulations to operationalise the Water Act 2016	Delayed formulation of regulations for the Water Act 2016	Liaising with Water Sector stakeholders to formulate the regulations
Competing interests between the Authority and other implementing agencies in project implementation	Delayed regulations for the Water Act 2016	Liaising with the Water Sector stakeholders to formulate the regulations
Limited Exchequer Funding	 Increased Government requirements Over reliance on the exchequer 	 Justification and appeal for additional budget Explore external funding

Threats	Contributory Factors	Strategic Response
Rigid socio-cultural attachment to land by project affected persons (PAPs) and community resistance to the projects and lack of adequate information	 Socio-cultural factors and lack of adequate procedures for engaging with stakeholders Inadequate advance project information 	 Enhanced stakeholder involvement, sensitisation and compensation Provide accurate advance project information to stakeholders
Insecurity in areas of operation	Unequal access to resources & social-political factors Terrorism	Engage Government security in areas of operation Collaborate with all stakeholders
High levels of environmental degradation at catchments	Competition for the available resources Ignorance on environmental conservation measures Opportunistic Encroachment	Liaise with the legislation enforcement agencies Collaboration with other stakeholders to increase the forest cover Budgeting for afforestation and environmental restoration Increased environmental conservation information to stakeholders using multi agency approach especially County Governments
Competition in the labor market	Rigid scheme of service Remuneration below competitor rates	Review and implement the Authorities human resources instruments
Resistance from the counties on the implementation of National projects	Role conflict between counties and national Government as regards water infrastructure development	Liaising with the Water Sector stakeholders to formulate and implement water regulations Closer collaboration with counties to work together as partners
Climate change due to human activities	Destruction of catchment areas Flooding in the country	Liaise with the legislation enforcement agencies

2.5 Stakeholder Analysis

Basic Identification Method was used to come up with the stakeholders who were further grouped according to their expectation and obligations (refer to table below).



Table 7: Stakeholder Identification

No.	Stakeholder	Stakeholder	Stakeholder Obligation
		Expectation	
1.	National Government	 Water harvesting and storage infrastructure development Undertake National Water public works Implement flood control works Compliance with our mandate Accountability in conducting public business 	 Funding of programs Security at project areas Appropriation of funds Participation Legislation
2.	Ministry of Water, Sanitation and Irrigation	Fulfillment of our mandateCollaboration	 Policy guidance Resource allocation and mobilization Harmonisation of labor relations Linkage to other MDAs Approvals: funds, regulations & projects
3.	County Governments	 Partnership Involvement in planning and implementation of projects 	 Collaboration and cooperation in project planning and implementation
4.	Professional bodies and Training institutions	 Partnership Adherence to professional codes and standards Application research methods/skills learnt 	 Collaboration Continuous professional support in training and research development
5.	Development Partners	 Water harvesting and storage Undertake National Water public works Implement flood control works Good governance 	FundingTechnical supportCollaborationMonitoring and Evaluation

No.	Stakeholder	Stakeholder	Stakeholder Obligation
140.	Stakenoider	Expectation	Stakenoider Congation
6.	Inspectorate of State Corporations and Office of the Auditor General	 Prudent use of resources and proper keeping of books of accounts Cooperation Compliance with our roles & obligations Compliance with legal and regulatory requirements 	AdvisoryCertificationOversight
7.	The National Treasury	 Prudent use of resources Budget proposals Compliance with the legal and regulatory requirements 	FundingOversightMonitoring and evaluation
8.	Water Sector Institutions	 Collaboration and adherence to regulations 	 Collaboration Cooperation Compliance to service standards & regulations
9.	Private Sector	Harvesting and storage of waterPublic participation	Consultation and engagementCollaboration
10.	The Public (Citizens) including special interest groups e.g., youth, women, persons with disability, etc.	 Harvesting and storage of water Information provision Involvement in project implementation Adherence to the set guidelines 	CooperationCollaborationParticipationOversight
11.	Regulators: NEMA, KEBs, NCA, KFS, WRA	 Adherence to regulations 	 Compliance to service standards & regulations
12.	Suppliers	Prompt paymentsFairnessInformation	 Delivery of quality goods and services as per the contract Transparency, reliability and accountability Information sharing
13.	Politicians	Harvesting and storage of waterFairness in all operations	CooperationParticipationPolitical Goodwill
14.	Media	Information sharingGood media relations	Objective media coveragePartnerships

2.6 Lessons Learnt and Way Forward

From the overall situation analysis, the following recommendations are proposed for response by the current plan:

- Under finance and planning, there is need to institutionalise monitoring, evaluation and reporting system; reduce over dependence on the Exchequer; align performance contracts and annual work plans with the Strategic Plan; establish a risk management framework and continuously engage development partners.
- To address the technical gaps identified, there is need to enhance capacity, recruit and improve ICT infrastructure. Finally, the corporate and legal gaps will be addressed through official launching of the Strategic Plan, budgeting for publicity and branding, enhanced stakeholder participation forums and development of contract management policy guidelines.



On-going flood control works.



Marigat flood control site in Baringo County, Gabion boxes under construction.



Completed section of gabion boxes at the Marigat flood control site in Baringo County.

STRATEGIC FOCUS

CHAPTER 03



3.1 Introduction

This chapter presents the strategic philosophy; that is the Vision, Mission, Mandate and Core Values of the NWHSA as the anchor of strategic planning. In addition, the chapter presents prioritised strategic areas of focus in form of strategic objectives, strategies and attendant activities. It further presents a summary of interventions to be accomplished by the Strategic Plan.

3.2 Vision, Mission, Mandate and Core Values

3.2.1 Vision

"The premier authority in water resources infrastructure development and management in Kenya and beyond:

3.2.2 Mission

"Developing and managing national water works infrastructure towards enhancing water security, flood mitigation and water storage for multi-purpose use."

3.2.3 Mandate

The mandate of the NWHSA as stipulated by section 32(1) of the Water Act 2016 is:

- (1) The functions and powers of the Water Storage Authority shall be to:
 - (a) Undertake on behalf of the National Government, the development of National Public Water Works for water resources storage and flood control;
 - (b) Maintain and manage National Public Water Works Infrastructure for water resources storage;
 - (c) Collect and provide information for the formulation by the Cabinet Secretary of the national water resources storage and flood control strategies;
 - (d) Develop a water harvesting policy and enforce water harvesting strategies;
 - (e) Undertake on behalf of the National Government strategic water emergency interventions during drought; and
 - (f) Advise the Cabinet Secretary on any matter concerning National Public Water Works for water storage and flood control.

- (2) The Water Storage Authority may appoint agents for the operation, management, maintenance and safety of any storage infrastructure that it has developed.
- (3) The Water Storage Authority shall have such other powers and functions as may be conferred or imposed on it by this or any other Act.

3.2.4 Core Values

The Authority, in its endeavor to realise its mission and vision, upholds various core values. These core values have been summed up in an acronym "STRAIGHT" for ease of understanding as shown below:

Sustainability: Implementing development projects that take into

consideration the current and future generation's

welfare.

Transparency: Acting in an open and honest manner in delivering

our services.

Reliability: Delivering our mandate with resolve, consistency

and trust.

Accountability: Answerable and acknowledging responsibility for

our actions and decisions without shifting blame.

Innovation: Growth in creativity and being responsive to new

ideas.

Governance: Upholding principles of integrity.

Honesty: Upholding a quality of fairness and truthfulness in

our operations.

Teamwork: Maintaining synergy in service delivery while

ensuring professionalism.

3.3 Strategic Objectives

The strategic objectives of the Authority are to:

- (1) To increase water storage in the country by 148.6 million cubic meters by the year 2026 and enhance sustainability of constructed water structures through operations and maintenance.
- (2) To protect/save lives and property from the effects of floods and drought by construction and maintenance of 70km of dykes, construction of 125 No. small pans/dams and 203 No. boreholes.
- (3) To mainstream cross-cutting and policy issues as per legal and regulatory guidelines.
- (4) To enhance financial sustainability.
- (5) To improve corporate image and enhance customer service delivery.

3.4 Summary of Anticipated Accomplishments by the Strategic Plan

During the Plan period, the Authority intends to increase water storage capacity by 148.6 million cubic meters (Mm³). This will be achieved through construction of Siyoi Muruny, Nakue'tum (Peace), Umaa&Badasa dams and domestication of water harvesting policy for rain water harvesting. The Authority will also undertake construction and maintenance of 70km dykes and 45km of river training structures, construct 125 No. small pans/dams and drill and equip 203 No. boreholes for drought mitigation. This is aimed at protecting and saving lives and properties in various parts of the country. In addition, the Authority will undertake various strategic emergency interventions during drought such as borehole drilling and water tracking.

3.5 Analysis of Strategic Objectives, Strategies and Activities

Table 8: Analysis of Strategic Objectives, Strategies and Activities

Strategic Objective	Strategies	Activities
1. To increase wa-		Carry out stakeholder sensitisation
ter storage in the country by	large, medium and small size dams	Carry out feasibility studies
148.6 million cubic meters by	sman size dams	Carry out preliminary & final designs
the year 2026 andenhance		Undertake Resettlement Action Plan (RAP)
sustainability of constructed		Construct large/medium and small size dams
water struc- tures through operations and maintenance	2. Operate and maintain large/ medium size dams	Operate and maintain large/ medium/small size dams
maintenance	3. Management of dams	Develop a dam management framework
	4. Develop inter basin and cross county water works	Carry out stakeholder sensitisation
		Carry out feasibility studies for bulk water pipelines and water canals
		Carry out final designs for bulk water pipelines and canals
		Construct bulk water pipelines and canals
		Operate and maintain bulk water pipelines and canals

Strategic Objective	Strategies	Activities
	5. Appoint agents for the operation, management, maintenance and safety of any storage infrastructure developed	Map National Public Water Works Infrastructure into Water Works Development Agencies' areas of jurisdiction Develop ToRs for operation, managing and maintenance of the infrastructure Sign Service Level agreements with the appointed agents
2. To protect/ save lives and property from the effects of floods and drought by construction and maintenance of 70km of dykes, construction of 125 No. small pans/dams and 203 No. boreholes	1. Construction and maintenance of flood control structures	Mapping and undertaking feasibility studies of new flood areas Design and construct dykes and river training Design and construct check dams Maintenance of the dykes and
	2. Exploit and manage underground water during drought and emergencies	check dams (de-silting) Map and undertake feasibility studies of drought prone areas Identify and develop drought water emergency intervention measures Drill 203 No. emergency boreholes in drought prone areas Construct 125 No. small pans/dams for drought mitigation Mobilise water bowsers to drought hit areas

Strategic Objective	Strategies	Activities
	3. Advice Cabinet Secretary on water resources storage and flood control strategies	Collect and provide information for the formulation by the Cabinet Secretary on the national water resources storage and flood control strategies Advise the Cabinet Secretary on
		any matter concerning national public water works for water storage and flood control
	4. Develop a water harvesting policy	Develop a National Water Harvesting Policy
	and enforce water harvesting strategies	Sign collaborative MoUs with other agencies for enforcement such as County Physical Planning offices, NCA &NEMA
3. To mainstream cross-cutting and policy issues as per	1. Comply with gender mainstreaming policy as per guidelines	Implement gender mainstreaming policy as per laid down guidelines
legal and regulatory guidelines	2. Comply with disability mainstreaming policy as per guidelines	Implement disability mainstreaming policy as per laid down guidelines
	3. Comply with HIV/ AIDS mainstreaming policy as per guidelines	Implement HIV/AIDS mainstreaming policy as per laid down guidelines
	4. Comply with alcohol, drug and substance abuse mainstreaming policy as per guidelines	Implement alcohol, drug and substance abuse mainstreaming policy as per laid down guidelines
	5. Promote national cohesion and integration	Implement the National Cohesion and Integration policy
	6. Empower youth, women, and persons	Offer attachment/internship/ apprenticeship to the youth
	with disabilities (socio-economic factors)	Offer 30 percent of tenders to youth, women and persons with disability

Strategic Objective	Strategies	Activities
	7. Eradicate corruption within the Authority	Implement anti-corruption prevention policies and action plans
		Implement Mwongozo code of conduct
	8. Comply with legal and regulatory requirements	Implement legal and regulatory requirements
	9. Establish regional	Conduct job evaluation
	offices, attract, recruit, develop and	Implement job evaluation report findings
	retain highly skilled staff	Review the organisation structure of the Authority
		Review the Career Progression Guidelines for the Authority
		Review of the HR Policies and Procedures Manual
		Conduct a Skills Gap Analysis (HR Planning)
		Conduct Training Needs Assessment (TNA)
		Implement TNA Report
		Competency based recruitment, placement, training and development
		Attractive and competitive remuneration
	10. Institutionalize performance management system	Review & implement performance management system
		Undertake change management
	system	Maintain ISO certification
	11. Comply with ICT policy as per Government	Review and implement ICT policy
		Conduct an ICT Audit
	guidelines	Acquire & replace desktops and laptops
		Develop and implement integrated ERP and EDMS
		Develop, implement and maintain an interactive portal

Strategic	Strategies	Activities
Objective		
	12. Comply with security and safety measures	Implement security and safety measures as per laid down guidelines
	13. Comply with road safety mainstreaming	Implement road safety mainstreaming as per laid down guidelines
4. To Enhance financial	1. Increase Government	Negotiate and justify for additional funding
sustainability	funding	Ensure timely performance reporting
		Undertake regular project audits
	2. Comply with good Governance guidelines	Reduce external audit queries
	3. Engage development	Identify and profile potential development partners
	partners for financial and	Prepare and submit fundraising proposals
	technical support	Undertake value for money studies
		Develop and implement an engagement framework
	4. Strengthen the capacity of Business	Develop and implement the BDU policy document
	Development Unit (BDU)	Market BDU services
	(800)	Build capacity by acquiring new plant and equipment
		Public private partnerships (PPP)
	5. Improve internal performance efficiency/bringing down project costs	Capacity building and cost cutting measures
	6. Embracing innovative financing projects such as PPPs	Diversify revenue sources Develop and implement an engagement framework
5. Improve Corporate Image of the Authority	1. Develop and implement a communications strategy	 Develop and implement a Communications Strategy Develop and implement a Brand Identification Manual Develop and implement a Corporate Social Responsibility/Corporate Social Initiative policy

Strategic Objective	Strategies	Activities
	2. Enhance customer service	 Media Relations (Enhance online presence through social media and documentaries/infomercials Undertake Customer Satisfaction Surveys Establish a Resource Centre at the Headquarters Publish relevant Information, Communication & Education (ICE) materials Place emphasis on procurement framework
	3. Enhance stakeholders engagement	 Be an active member in local & international water infrastructure institutions Set benchmarks and best practices through shared information Organise interactive local and international conferences



Completed community water pan for domestic water supply and livestock use.



Modern rig undertaking borehole drilling.



One of our drilling rigs. NWHSA has accomplished many boreholes using such equipment.





IMPLEMENTATION AND COORDINATION FRAMEWORK

4.1 Introduction

This chapter presents implementation and coordination plan, assumptions, risks analysis and mitigation framework, organisational structure and resource requirements.

4.2 Implementation and Coordination Plan

The implementation matrix presented as Annex 1 shall guide the Plan's implementation process. In addition, the implementation process will take into account factors arising from the SWOT and risk analysis and mitigation measures. Each department will draw annual work plans from the implementation matrix. The work plans will be consolidated into a master NWHSA annual work plan which will be presented to the Board by the Chief Executive Officer for approval. The approved work plans will form the basis for performance contracting.

The Authority's Corporate Services department will coordinate the overall implementation of the Plan under the guidance of the Chief Executive Officer who will in turn, provide regular updates to the Board.

4.3 Assumptions

Implementation of the Plan is premised on the following assumptions:

- (i) The devolution process with respect to the legal issues will proceed smoothly.
- (ii) Sufficient resources as envisaged in this Plan will be available during the Plan period.
- (iii) The Authority will be a going concern.
- (iv) Vision 2030 shall remain the basic blueprint of the successive governments.
- (v) Political stability and security will prevail.
- (vi) Political and management goodwill throughout the Plan period.

4.4 Risk Analysis and Mitigation Framework

There are several risks to the implementation of this Strategic Plan. The risks have been identified, their occurrence and impacts rated and possible mitigation measures determined as elucidated in the table below:

Table 9: Risk Analysis and Mitigation Framework

No.	Risk	Occurrence	Impact	Mitigation
1.	Lack of political goodwill in project implementation	Low	High	Strong lobbying and cordial collaboration
2.	Inadequate funding	Medium	High	 Ensure budget proposals are submitted on time Engage the Parent Ministry for more funds Revamp and market BDU Reach out to development partners
3.	Insecurity in areas of operations	Medium	High	 Work with national and local security agencies in all the areas of operations of the Authority Provide insurance cover for machinery and personnel
4.	Inadequate communication to stakeholders	Low	High	 Set budget for communication to stakeholders Prepare and implement Communication Strategy to ensure effective and coordinated flow of information Establish a resource center for sharing information and knowledge management Stakeholders' involvement
5.	Resistance to change and negative attitude by stakeholders	Low	High	 Capacity build staff on change management and attitude through culture change Stakeholders' sensitisation fora

No.	Risk	Occurrence	Impact	Mitigation
6.	Loss of data or assets through fire or theft	Low	High	 Appoint and train fire marshals Fireproof cabinets Offshore data backups Ensure the assets are adequately insured Digitisation of records and systems Health and safety measures to be put in place
7.	Litigation against the Authority	Low	High	 Lobby for commitment from parent Ministry for timely and adequate disbursement of funds to clear outstanding and future claims Improve the drafting of contracts and contract management Ensure compliance with all set statutes, HRPPM and other guidelines Align procurement of legal services to the Advocates Remuneration Order Ensure close supervision of legal cases for timely determination Improve contract management and follow procedures Take professional indemnity cover for staff
8.	Technological risks	Medium	High	 Ensure restricted access to ICT offices Ensure a clear back up mechanism of data preferably in an offsite server

No.	Risk	Occurrence	Impact	Mitigation
9.	Community rejecting projects	Medium	High	 Sensitise communities through stakeholders education forums Factor in project administration costs to include stakeholder forums, project audits, M&E and publicity during project planning and budgeting Collaborate and engage more with other National and County agencies
10.	Turnover of Management Staff	Low	High	 Reward and compensate staff and harmonise with the industry Conducive work environment Review employment contract tenure
11.	Labor unrest	Low	Me- dium	 Conducive work environment & collective bargaining agreement with staff Complaint's resolution mechanism
12.	Cost over runs	Medium	High	 Government to honor signed contracts through timely funding Proper contract management Compliance to legal and regulatory framework
13.	Corruption	Low	High	 Ensure anti-corruption committee is in place Report corrupt practices to relevant authorities Sensitise staff and stakeholders on the effect of the vice

4.5 Resource Requirements and Mobilisation Strategies

4.5.1 Financial Resource Requirements

The following are the estimates of financial resource requirements to implement the Strategic Plan.

Table 10: Resource Requirements & Sources of Funds

>>	Strategic		Financial	Years And Ar	Financial Years And Amounts (Millions Kshs)	ons Kshs)	
o Z	Objectives	2021/2 2	2022/2 3	2023/2	2024/2 5	2025/2 6	Total
	To increase water storage in the country by 148.6 million cubic meters by the year 2026 and enhance sustainability of constructed water structures through operations and maintenance	7,701.50	8,585.00	9,357.50	10,680.00	10,953.00	47,277.00
6.	Protect/save lives and property from the effects of floods and drought	709.00	871.00	969.00	1,034.00	1,141.00	4,724.00
<u>ښ</u>	Mainstream cross-cutting and policy issues as per guidelines	1,305.90	728.70	762.66	797.20	840.91	4,435.35
4.	Enhance financial sustainability of the Authority	129.00	171.00	1,341.00	429.00	343.00	2,413.00
5.	Improve the image of the Authority and enhance customer service	60.00	58.50	73.00	71.00	72.50	335.00
Progr	Programs sub total	9,905.40	10,414.20	12,503.16	13,011.20	13,350.41	59,184.37

/S	Strategic		Financial	Years And A	Financial Years And Amounts (Millions Kshs)	ons Kshs)	
o Z	Objectives	2021/2 2	2022/2 3	2023/2 4	2024/2 5	2025/2 6	Total
Recurrent	Recurrent Expenditure	979	657.3	690.2	724.7	760.9	3,459.1
CAPEX		2,783.82	2,927.07	3,543.89	3,685.95	3,776.85	16,717.58
Ongoing a	Ongoing and New Projects	6,495.58	6,829.83	8,269.07	8,600.55	8,812.66	39,007.69
TOTAL RESOURC REQUIREMENTS	TOTAL RESOURCE REQUIREMENTS	9,905.40	10,414.20	10,414.20 12,503.16	13,011.20	13,350.41	59,184.37
		×	Sources of Funds	ds			
Sok		8,785.40	8,774.20	10,343.16	10,331.20	9,650.41	47,884.37
BDU		120.00	140.00	160.00	180.00	700.00	1,300.00
DEVELOPMENT PARTNERS	KENT	1,000.00	1,500.00	2,000.00	2,500.00	3,000.00	10,000.00
TOTAL RESOUR MOBILISATION	FOTAL RESOURCES MOBILISATION	9,905.40	10,414.20	12,503.16	13,011.20	13,350.41	59,184.37

4.5.2 Human Resources

The current total number of staff (in-post) is 193 No. against an establishment of 220 No. officers, resulting in a negative variance of 27 No. staff.

Current Staff Distribution within the Authority

S/ NO.	Department	Authorized Establishment	In-post	Variance
1.	Human Resources & Administration	29	26	-3
2.	Finance & Corporate Planning	22	28	+6
3.	Corporate and Legal Services	11	13	+2
4.	Construction and Electro-mechanical	120	87	-33
5.	Technical Planning and Design	29	20	+9
6.	Procurement	5	14	-9
7.	Internal Audit	4	5	-1
	TOTAL	220	193	-27

4.5.3 Financial Resource Mobilisations Strategies

The Authority will mobilize financial resources through aligning the following strategies:

- **(a) Government Grants:** The Authority will lobby for more resources from the Government to execute its mandate.
- **(b) Development Partners:** The Water Sector is already attracting funds from various development partners. The Authority will profile, prepare and present proposals for the purposes of sourcing for funds for its development projects.
- (c) Joint Venture Agreements: Joint ventures are strategies used by organisations to enhance competitiveness. The Authority will explore possible areas for cooperation such as water infrastructure development, irrigation and power cogeneration. Possibilities of Public Private Partnerships (PPPs) will also be explored.
- **(d) Business Development Unit:** The Authority will build the capacity of the BDU to undertake commercial activities to supplement the Government grants for recurrent expenses. These activities include but not limited to drilling boreholes, constructing dams and providing consultancy services.

4.6 Organisational Structure

The NWHSA is organised int wo main organs: The Board of Directors and Management (see Annex 3). The roles of each organ are elucidated below.

4.6.1 Board of Directors

The Board is responsible for providing the overall policy direction of the Authority. The Board works through four committees namely;

- (i) Human Resource and General Purpose Committee.
- (ii) Finance Committee.
- (iii) Strategy, Technical and Business Development Committee.
- (iv) Governance, Risk and Audit Committee.

4.6.2 Office of the Chief Executive Officer

The Chief Executive Officer is the Accounting Officer and is responsible for the implementation of policies and programs of the Authority.

4.6.3 Departments, Divisions and Professional Skills

The Authority's mandate is organised into seven (7 No.) departments and fourteen (14 No.) divisions as shown in the table below.

Table 11: Departments

S/ No.	Department	Divisions/Functions	Professional Skills
1.	Corporate Secretary and Legal Services	1.1 Legal Services1.2 Board Secretariat	Lawyers, Certified Secretary
2.	Corporate Services	 2.1 Human Resource and Administration 2.2 Finance and Accounts 2.3 ICT 2.4 Corporate Communications 	Human Resource and Administration Officers, Transport Officers, Finance Officers/ Accountants, ICT Officers, Corporate Communication Officers, Security Officers, Office Administrative Personnel

S/ No.	Department	Divisions/Functions	Professional Skills
3.	Infrastructure Development and Emergency Response	3.1 Infrastructure Development3.2 Drought & Flood Mitigation and Emergency Response	Engineers, Plant Operators, Artisans, Craftsman, Water Inspectors, Superintendents, Emergency Response Officers
4.	Infrastructure Maintenance and Regional Coordination	4.1 Regional Coordinators	Geologists, Engineers, Surveyors, Valuers, Community Advocacy Officers, Environmentalists, Planning Officers, Hydrologists, Superintendents, Plant Operators, Artisans, chemists, drillers, marketing officers
5.	Infrastructure Planning, Environment and Social Safeguards	5.1 Safeguard Operations, Safety and Maintenance	Geologists, Engineers, Surveyors, Community Advocacy Officers, Environmentalists, Planning Officers, Hydrologists, Plant Operators, Artisans, Draughtsman, Chemist
6.	Research, Strategy & Corporate Planning and Compliance	 6.1 Research and Strategy, Business Development and Resource Mobilisation 6.2 Risk Management 6.3 Quality Assurance 6.4 Performance Management 6.5 Monitoring and Evaluation 	Economists (Research and Strategy, Performance Management and Monitoring Evaluation) Researcher, Risk Management and Quality Assurance Officers, Business Development and Resource Mobilisation Officers, Marketing Officers, Estate Management Officers.

S/ No.	Department	Divisions/Functions	Professional Skills
7.	Internal Audit	7.1 Compliance & Assurance7.2 Internal Auditing7.3 Risk Management	Financial Auditors Technical Auditors Quality Assurance Officers Risk Management Officers Compliance Officers
	IND	DEPENDENT DIVISION	
8.	Supply Chain Management	 8.1 Procurement Planning 8.2 Procurement of Works, Goods and Services 8.3 Disposal of Assets Inventory management 8.4 Contract Management 	Supply Chain Officers, Supply Chain Assistants
	CORPO	RATE SERVICES DIVISI	ONS
9.	Human Resource and Administration	 9.1 Staff recruitment & selection 9.2 Training & Development 9.3 Salaries and Benefits Administration 9.4 Labor relations, Staff Welfare Schemes & Staff Separation 9.5 Security Services 9.6 Office Administrative Services 9.7 Transport 	Human Resource Officers, Office Administrators, Security Officers, Office Administrative Officers, Records Officers
10.	Finance and Accounts	 10.1 Budgeting and Budget Control 10.2 Financial Planning & Reporting 10.3 Asset Management 10.4 Working Capital Management 	Economists, Finance Officers, Accountants

S/ No.	Department	Divisions/Functions	Professional Skills
11.	ICT	 11.1 Network Administration 11.2 Hardware ad Ministration 11.3 Systems Development and Implementation 11.4 ICT trainings 11.5 Disaster Management 11.6 Website Management & Enhancement 	ICT Officers, ICT Assistants
12.	Corporate Communications	 12.1 Stakeholder	Corporate Communication Officers, Customer Care Officers
		E DEVELOPMENT ANI ESPONSE DIVISIONS	D EMERGENCY
13.	Infrastructure Development	13.1 Developing National Public Water Works for Water Resources Storage 13.2 Flood Control and Emergency Response	Engineers, Superintendents, Craftsman, Water Inspectors, Emergency Response Officers
14.	Drought & Flood Mitigation and Emergency Response	14.1 Developing National Public Water Works for Flood Control and Emergency Response 14.2 Mitigate Effects of Drought and Emergency Response	Engineers, Superintendents, Craftsman, Water Inspectors, Emergency Response Officers

S/ No.	Department	Divisions/Functions	Professional Skills
		RE MAINTENANCE AN RDINATION DIVISION	
15.	Maintenance & Regional Coordination	15.1 Field Operations, Safety of Water Infrastructure Facilities and Maintenance of Plant & Equipment	Engineers, Geologists, Surveyors, Hydrologists, Artisans, Community Development Officers, Environmentalists, Chemists
		URE PLANNING, ENV SOCIAL SAFEGUARD	
16.	Planning and Design	 16.1 Planning and Design 16.2 Land survey 16.3 Hydrological Mapping 16.4 Geological Survey 	Engineers, Geologists, Surveyors, Hydrologists, Artisans, Chainmen, Craftsman, Environmentalists, Cartographer
17.	Environmental Safety and Social Safeguards	17.1 Environmental Studies17.2 Water Quality Assurance	Community Advocacy, Environmental Officers, Chemists, Laboratory Technicians.
RESE	ARCH, STRATEGY, C	ORPORATE PLANNIN	G AND COMPLIANCE
18.	Research & Strategy	 18.1 Strategic Planning 18.2 Policy Formulation 18.3 Performance Contracts 18.4 Monitoring and Evaluation 18.5 Risk Management and Compliance 	Economists (Research and Strategy, Performance Management and Monitoring Evaluation) Researcher, Risk Management and Quality Assurance Officers
19.	Business Development and Resource Mobilisation	19.1 Development of Strategies and Programs for Partnership Development and Collaboration Mobilising Resources 19.2 Managing Assets and Properties	Business Development and Resource Mobilisation Officers, Marketing Officers, Estate Management Officers



Amphitheatre facility for meetings and hire.

CHAPTER 05



MONITORING, EVALUATION AND REPORTING

5.1 Introduction

Monitoring, Evaluation and Reporting (M,E&R) is an integral part of effective implementation of the Strategic Plan. The purpose of monitoring and evaluation is to assess the extent to which strategies and their corresponding activities are implemented according to the Plan and any deviation corrected. Further, effectiveness, efficiency (cost-effectiveness), sustainability and impact of the interventions from the Strategic Plan will be assessed.

5.2 Responsible M, E&R Unit and General Approach

M,E&R will be the responsibility for Research, Strategy and Performance Management Division. The Division will undertake continuous collection and processing of performance indicator (objectively verifiable indicator) data while reporting will be done periodically (quarterly) to inform corrective measures for the implementation of the Strategic Plan as well as other management decisions such as performance contracting. Further, periodical evaluation of the effectiveness, efficiency, sustainability and impact(outcomes) of the Strategic Plan will be carried out using protocols and instruments developed by the Research, Strategy and Performance Management Division.



Kakamega Regional Offices. Creation of regional offices takes services closer to the local communities.



Nyando flood control site office, Ahero in Kisumu County.



Watermaster for dredging works and harvesting of water hyacinth.



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World Bank Reference on Large Dams.



Y Z Z E X E S

2)		Total	150	956	1,562	8,800	34,885
nex		25/26	40	240	420	1,000	9,050
An	Millions)	24/25	35	210	370	2,000	7,870
with	Budget by Plan Year (Kshs Millions)	23/24	30	182	320	1,800	6,840
ler 1	y Plan Y	22/23	25	157	275	2,000	5,950
geth	Budget b	21/22	20	137	240	2,000	5,175
d to		Total	40	177	221	17	177
rea		25/26	ω	45	45	2	45
be		24/25	∞	40	40	4	40
(To	Year	23/24	∞	35	35	3	35
trix	Target by Plan Year	22/23	∞	30	30	4	30
Ma	Target	21/22	∞	2 7	7	4	2 7
lon	Actor		GM- IPESS				GM- IDER
entati	e In The And Enhance	Objectively Verifiable Indicator	No. of sessions held and the reports	No. of feasibility reports	No. of preliminary and final design re- ports	No. of acres compensated (in '000')	No. of large dams construction commenced
nplem	ease Water Storagic Meters By 2026 Water Structures	Means of Verification/ Output	Stakeholders sensitised	Feasibility studies done	Preliminary and final Design reports	Land com- pensation records	Commenced
Annex 1: Implementation Matrix (To be read together with Annex 2)	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	Activities	Carry out stakeholder sensitisation	Carry out feasibility studies	Carry out preliminary and final designs	Undertake resettlement action plans	Commence construc- tion of large Dam
Anne	Strategic Ol Country By 1 Sustainability	Strategy	Strategy 1: Construction of Large and Medium size dams				

Strategic Ol Country By 1 Sustainability	Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 203 Sustainability Of Constructed Water Structures	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	e In The And Enhance	Actor	Target	Target by Plan Year	Year				Budget b	y Plan Y	Budget by Plan Year (Kshs Millions)	Millions)		
Strategy	Activities	Means of Verification/ Output	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
Strategy 2: Management of Dams	Develop manage- ment frame- work	Management frameworks	Framework in place	GM- IMRC	1		-		ı	1	5		1			9
Strategy 3: Operations and Maintenance of	Operation & maintenance of dams	Operations and maintenance of dams	No. of dams operated and maintained	GM- IMRC	7 2	30	35	40	45	771	14.5	15.5	16.5	22	25	93.5
Strat- egy 4: Develop Inter- Basin and	Carry out stakeholder sensitisation (Pipeline)	Sensitised stakeholders	No. of reports/minutes for sensitisations meetings	GM- IPESS	1	2	2	2	2	6	6.5	13	13	13	13	58.5
Cross- county Water Works	Final designs for bulk water pipelines	Final designs done	No. of final design reports		1	2	2	2	2	6	25	50	50	50	50	225
Strategy 5: Rain Water Harvest- ing	Carry out stakeholder sensitisation/ Education	Sensitised stakeholders	No. of reports/minutes for sensitizations meetings	GM- IPESS	2	5	4	4	4	19	1	4	3	3	3	17
	Resource Mobilisa- tion and partnership develop- ment	MoUs	No of part- ners	GM- RSC PC		-1	-	-	-	4		1.5	1.5	1.5	1.5	9

Strategic O Country By Sustainability	Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 203 Sustainability Of Constructed Water Structures	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	ye In The ، And Enhance	Actor	Target	Target by Plan Year	Year				Budget b	y Plan Ye	Budget by Plan Year (Kshs Millions)	Millions)		
Strategy	Activities	Means of Verification/ Output	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
	Implementa- tion	Contract document	No. of rain water catchment infrastructures installed	GM- IDER		2	2	2	2	&		01	10	10	10	40
Strat- egy 6: Develop National	Carry out hydro-geological surveys	Survey re- ports done	No. survey reports	GM- IPESS	1	2	m	м	к	12	1.5	м	4.5	4.5	4.5	18
under- ground Water resources (aquifers)	Drill & de- velop wells	Wells drilled & developed	No. of wells drilled & developed	GM- IDER	01	10	10	10	10	50	50	50	50	50	50	250
strategy 7: Manage National underground Water Resources	Operation & maintenance of the infrastructure	Operations & maintenance reports	No. of reports on operations & maintenance	GM- IMRC	-	-	-	-	-	r)	5	rv.	rv.	R	rv.	25
			SUB – TO	OTAL 1							7,701.5	8,585	9,357.5	10,680	10,953	47,277
Strategy 8: Construction of Flood Control structures	Undertake mapping new flood areas	New Flood prone areas mapped	No. of reports of new flood prone areas mapped	GM- IPESS	2	2	2	2	2	10	2	2	2	2	2	01

Strategic O Country By Sustainability	Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 20. Sustainability Of Constructed Water Structures	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	e In The And Enhance	Actor	Target	Target by Plan Year	f ear				Budget b	y Plan Ye	Budget by Plan Year (Kshs Millions)	Millions)		
Strategy	Activities	Means of Verification/ Output	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
	Undertake feasibility studies for new flood areas	Feasibility studies done	No. of re- ports of new flood areas	GM- IPESS	2	2	2	2	2	10	2	2	2	2	2	10
	Design dykes	Dykes designed	Kilometers of dykes designed	GM- IPESS	12	18	20	25	25	100	12	18	20	20	20	100
	Construct dykes	Dykes constructed	Kilometers of dykes constructed	GM- IDER	12	18	20	25	25	100	120	180	200	250	250	1,320
	Designs for river train- ing	Rivers designed	Length in kilometers of rivers designed	GM- IPESS	10	20	20	25	25	100	10	20	20	25	25	100
	River train- ing	Rivers trained	Length in kilometers of rivers trained	GM- IDER	10	15	15	15	15	70	30	45	45	45	45	200
	Design and construct check dams	Check dams constructed	No. of check dams constructed	GM- IPESS	1	2	2	2	2	6	30	50	50	50	50	230
Strategy 9: Maintenance of Flood Control Structures	Mainte- nance of the dykes	Dykes maintained	KM Maintained	GM-	12	18	20	25	25	100	12	18	20	25	25	100

Strategic O Country By Sustainability	Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 203 Sustainability Of Constructed Water Structures	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	e In The And Enhance	Actor	Target	Target by Plan Year	Year				Budget b	y Plan Y	Budget by Plan Year (Kshs Millions)	Millions)		
Strategy	Activities	Means of Verification/ Output	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
	Mainte- nance of the check dams (de-silting)	Check dams maintained	No. of check dams maintained	GM- IMRC	1	2	2	2	2	2	1	2	2	2	2	6
Strategy 10: To Mitigate the Effects of Drought	To construct and maintain 125 small dams/pans	Small pans/ dams con- structed	No. of small pans/ dams constructed	GM- IPESS	25	25	25	25	25	125	175	175	200	200	225	975
)	To drill and equip 203 boreholes in ASALs	Boreholes drilled	No. of boreholes drilled	GM- IPESS	40	40	41	41	41	203	240	240	287	287	369	1.423
Strategy 11: Advise CS on Water Resources Stor- age and Flood Control Strategies	Collect informa- tion on national water resources	Reports prepared	No. of Reports Prepared	GM- IPESS/ RSCP	-	2	2	2	2	6	-	2	2	2	2	6

	Total	6	4,724	5.5	ω
	25/26	2	1,141	41	
illions)	24/25	2	1,034	5:1	25
Budget by Plan Year (Kshs Millions)	23/24		696		
Plan Year	22/23 23	~	871 96	<u>-</u>	-
dget by l	21/22 2	2		<u> </u>	-
Bu	21/	1	709	1	2.5
	Total	0		20	20
	25/26	2		4	4
	24/25	2		4	4
ear	23/24	2		4	4
Target by Plan Year	22/23	2		4	4
Target b	21/22	1	2	4	4
Actor			B - TOTAL 2	CS M-	
e In The And Enhance	Objectively Verifiable Indicator	No. of reports prepared and for- warded to the Cabinet Secretary	- 808	No. of Reports	No. of Reports
Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	Means of Verification/ Output	Reports prepared and for- warded to the Cabinet Secretary		Gender mainstream- ing compliance Report	Disability mainstream- ing compli- ance Report
Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 20. Sustainability Of Constructed Water Structures	Activities	Provide information on national water resources storage and flood control strategies to the CS		Implement Gender Main- streaming policy as per guide- lines	Implement disability Main- Streaming Policy as per Guide- lines
Strategic O Country By Sustainability	Strategy			Strategy 12: Comply with Gender Main-Streaming Policy as per Guide-lines	Strategy 13: Comply with disability Main-Streaming Policy as per Guidelines

Strategic Ob Country By 1 Sustainability	Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 203 Sustainability Of Constructed Water Structures	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	e In The And Enhance	Actor	Target	Target by Plan Year	Year				Budget b	y Plan Y	Budget by Plan Year (Kshs Millions)	Millions)		
Strategy	Activities	Means of Verification/ Output	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
Strategy 14: Comply with HIV/AIDS Mainstreaming Policy as per Guide-lines	Implement HIV/AIDS Main- streaming policy as per guide- lines	HIV/AIDS compliance report	No. of reports		4	4	4	4	4	20	-	1	-	1.5	1	5.5
Strategy 15: Comply with Alcohol, Drug & Substance Abuse Main- Streaming Policy as per Guide- lines	Implement Alcohol, Drug & Substance Abuse Main- Streaming Policy as per Guide- lines	Alcohol, Drug & Substance Abuse Main- streaming compliance Report	No. of Reports		4	4	4	4	4	20	2	2	2	2.5	2	10.5
Strat- egy 16: Promote National Cohesion and Inte- gration	Implement National Cohe- sion and Integration Policy	Imple- mentation Report	No. of Reports	CS	1	1	1	1	-	5	1	1	1	-	1	22

Strategic Ol Country By Sustainability	Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 203 Sustainability Of Constructed Water Structures	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	e In The And Enhance	Actor	Target	Target by Plan Year	Year				Budget !	oy Plan Y	Budget by Plan Year (Kshs Millions)	Millions)		
Strategy	Activities	Means of Verification/ Output	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
egy 17: Empow- erment of Youth, Women and Per- sons with	Offer at- tachment/ internship/ apprentice- ship to the youth	Attach- ments/ internships/ apprentice letters	No. of youths offered attachment/internship/apprentice-ship	CS CS	22	22	25	25	30	124	9.9	9.9	7.5	7.5	6	37.2
Disability (Social- Economic Factor)	Offer 30% of Authority tender awards to youth, women and persons with disability	Tender Award let- ters	% of tender awarded	M- SCM	30%	30%	30%	30%	30%	30%	485.6			0	0	485.6
Strategy 18: Eradicate Corruption within the Authority	Implement corruption Prevention Policies and Action Plans	Anticorrup- tion imple- mentation Reports	No. of reports	GM-	4	4	4	4	4	20	2	1	1	1	1	9
	Implement MWON- GOZO code of conduct	Imple- mentation report	No. of reports		1		1	-	-	r.	٤	8	8	м	8	15

	Total	4	4	7	2
	25/26	7	7		
Millions)	24/25				
Budget by Plan Year (Kshs Millions)	23/24				
y Plan Y	22/23				
Budget b	21/22	2	2	2	2
	Total	2	1	-	-
	25/26	1			
	24/25	1			
Year	23/24				
Target by Plan Year	22/23				
Target	21/22	-	-	-	-
Actor		GM- CS& CSA- CSM-		1	!
ln The And Enhance	Objectively Verifiable Indicator	No. of reports	Reviewed job descrip- tions	Reviewed job descrip- tions	Reviewed Organisa- tion Struc- ture
Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	Means of Verification/ Output	Imple- mentation report	Staff aligned to positions with right skills and competencies	Staff aligned to positions with right skills and competencies	Identifica- tion of various jobs and levels
Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 203 Sustainability Of Constructed Water Structures	Activities	Implement Legal and regulatory require- ments	Imple- ment Job Evaluation Report findings	Implement job evalua- tion report findings	Review the Organisa- tion Struc- ture
Strategic Ol Country By 1 Sustainability	Strategy	Strategy 19: Comply with Legal and Regula- tory Require- ments			

Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 203 Sustainability Of Constructed Water Structures	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	e In The And Enhance	Actor	Target k	Target by Plan Year	ear				Budget b	y Plan Ye	Budget by Plan Year (Kshs Millions)	Millions)		
Activities	Means of Verification/ Output	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
Review the Career Progression Guidelines	Identifica- tion of vari- ous careers within the Authority	Reviewed career progression guidelines	CS	_					1	1					2
Review of the HR Policies and Procedures Manual	Sustainable HR prac- tices and policies	Reviewed HR Policy		1					1	2				1	2
Conduct a Staff Gap Analysis (HR Plan- ning)	Identifica- tion of staff- ing needs	HR Plan- ning Report		-					1	2					2
Conduct Training Needs Assessment (TNA)	Identifica- tion of staff training needs	Training Needs As- sessment (TNA) Report		-	-	-	1	_	5	2	2	2	2	2	10

Strategic Ob Country By 1 Sustainability	Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 20. Sustainability Of Constructed Water Structures	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	e In The And Enhance	Actor	Target l	Target by Plan Year	/ear				Budget b	y Plan Ye	Budget by Plan Year (Kshs Millions)	Millions)		
Strategy	Activities	Means of Verification/ Output	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
egy 21: Establish Offices, Attract, Recruit, De- velop and Retain Highly Skilled Staff	Conduct and imple- ment Train- ing Needs Assessment (TNA) Report	Identifica- tion of staff capac- ity building needs	Number of staff trained	CS CS	10	20	30	40	950	150	2	4	9	8	10	30
	Competen- cy based recruit- ment, placement, training and devel- opment	Identify positions for recruit- ment	Number of positions recruiter	CS	ω					ω	20					20
egy 22: Establish Offices, Attract, Recruit, De- velop and Retain Highly Skilled	Attractive and com- petitive remunera- tion	Harmonised reward and compensation structure with the industry	Salary structure review	CS CS	Re-Carthe A and r lmple	Re-Categorisation of the Authority class and remuneration and Implementation of new remuneration	ion of class ation on of ation				626	657.3	165	6733	760. 9069	

Strategic Ol Country By Sustainability	bjective 1: To Incl 148.6 Million Cub y Of Constructed V	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	e In The And Enhance	Actor	Target	Target by Plan Year	Year				Budget b	y Plan Ye	Budget by Plan Year (Kshs Millions)	Millions)		
Strategy	Activities	Means of Verification/ Output	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
	Establish and deploy staff to regional offices	Establish Identify and deploy location for staff to regional regional offices offices	Established regional offices		22	1	1		1	7.	50	1		1		50
	Procure- ment of office furniture & Assorted equipment	Delivery notes for procured furniture & assorted equipment	Office furniture in place (Lot) & furniture & Assorted equipment		1	1	1	1	1	5	40	1.5	1.5	1.5	1.5	46
egy 23: Institu- tionalise Perfor- mance Manage- ment System	Review and imple- ment per- formance manage- ment system	Regular staff reviews and appraisal	Align Staff reward & compensation with performance appraisal	GS CS	2	2	2	2	2	01	2.5	2.5	2.5	2.5	2.5	12.5
	Undertake change manage- ment	Change Manage- ment Sensitisation workshops/ initiatives	No. of staff sensitised		220	20	20	20	20	300	5	0.5	0.5	0.5	0.5	7

	tal					30.5	
	Total	13	rO	4	7	30	m
	25/26	1	-	1		5	1
Millions)	24/25	2		2	1	5	1
Budget by Plan Year (Kshs Millions)	23/24	1	-	1	1	5	1
y Plan Ye	22/23	1	1		2	6.5	3
Budget b	21/22	&	1	2	1	6	1
	Total	8	10	7	1	134	1
	25/26	1	2	,	1	20	1
	24/25	-	2	-	1	20	1
Year	23/24	1	7		ı	20	ı
Target by Plan Year	22/23	ı	2		ı	24	1
Target	21/22	1	7	-	1	50	,
Actor		CEO		GM- CS			
In The And Enhance	Objectively Verifiable Indicator	Certification	No. of au- dit reports	Policy in place and in use	Audit Report	No. of computers with software and UPS acquired	Internal Audit System in place
Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	Means of Verification/ Output	from ISO 9001:2008 to 2015 Certification	Internal Audits	Reviewed ICT policy	ICT Gaps identified	Enhanced Computer to User ratio	Efficient Internal Audit
Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 20. Sustainability Of Constructed Water Structures	Activities	Maintain ISO Certifi- cation		Review and imple- ment ICT policy	Conduct an ICT audit	Acquire new com- puters with software and UPS	Acquire Internal Audit
Strategic Ok Country By 1 Sustainability	Strategy			Strat- egy 24: Comply with ICT	per Gov- ernment Guide-	Signal of the control	

	Total	24	25	25	N	13
	25/26	ı	72	5	1	
Millions)	24/25	ı	2	5	1	
Budget by Plan Year (Kshs Millions)	23/24	12	5	<i>7</i> 2	1	2.5
oy Plan Ye	22/23	12	5	5	1	2.3
Budget	21/22	1	5	5	1	3.2
	Total	∞	24	25	ر د	10
	25/26	1	2	5	1	
	24/25	1	5	5	1	
Year	23/24	4	5	5	1	2
Target by Plan Year	22/23	4	5	5	1	2
Target	21/22	1	4	5	1	2
Actor			-		GM- CS	
e In The And Enhance	Objectively Verifiable Indicator	No. of Engineering software and work- bench tools	Data and system security in place	No. of maintenance and service contracts	No. of in- novations	New Systems in place
Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	Means of Verification/ Output	Enhance capacity for In-sourcing of projects	Secured data and system	Working and serviceable ICT systems and equipment	New ICT innovations	Improved new systems in place
Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 203 Sustainability Of Constructed Water Structures	Activities	Acquire Engineer- ing Soft- ware and workbench tools	Implement data and system security	Maintain and service ICT systems, ERP and equipment	Conduct ICT Research and Innova- tion	Develop &implement integrated news sys- tems: EDMS & web portal
Strategic Ol Country By Sustainability	Strategy				Strategy 25: Comply with ICT	Policy as per Gov- ernment Guide- lines

Strategic Ol Country By Sustainability	Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 203 Sustainability Of Constructed Water Structures	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	e In The And Enhance	Actor	Target	Target by Plan Year	Year				Budget b	y Plan Ye	Budget by Plan Year (Kshs Millions)	Millions)		
Strategy	Activities	Means of Verification/ Output	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
Strategy 26: Safety and Security Measures	Implement safety and security measures	Implementa- tion report	No. of reports	CS CS	-	-	1	1	-	ιΛ	rV.	5	2	2	6	m m
Strategy 27: Road safety and Main-Streaming	Implement road safety measures	Implementa- tion report	No. of reports	GM- CS	-	1	1	1	-	ιΛ	1.5	1.5	2	2	2	o
	SUB-TC	SUB-TOTAL 3 Strategy 29: Comply		vith Goa	d Gove	rnance a	with Good Governance as per Guidelines	delines			1,305. 9	728. 7	762. 66	797.2	840. 91	4,435. 35
Strategy 28: Increase Government Funding	Negotiate & justify for additional funding	Budgetary Al- location from Treasury	Increased budgetary allocation	CS CS	2.1	1	1	1	1	6.1	1,100	8,000	3,500	4,000	5,000	21,600
	Ensure timely performance reporting	Project status and expendi- ture reports	No. of reports		4	4	4	4	4	20	2	2	2	2	2	11
	Undertake regular pro- ject audits	Audit Reports submitted	Audit reports		2	2	2	2	2	10	1	-	-	-	-	ru Tu

Strategic O Country By Sustainability	Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 203 Sustainability Of Constructed Water Structures	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	e In The And Enhance	Actor	Target	Target by Plan Year	Year				Budget b	y Plan Ye	Budget by Plan Year (Kshs Millions)	Aillions)		
Strategy	Activities	Means of Verification/ Output	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
Strategy 29: Comply with	Reduced litigations	Reduced number of litigations	No. of litiga- tions	S S	64	80	70	10	10	234	80	100	250	300	180	910
Good Govern- ance as per Guide- lines	Reduced ex- ternal audit queries	Reduced number of audit queries	No. of external audit queries		5	5	4		0	14	1	1		1		m
Strategy 30: Engage Developement	Identify & profile potential development	Development partners/donor profile mapping to projects	No. of develop- ment/ donors identified	GM-	10	15	20	25	30	100			-	-		
Partners for Finan- cial and Technical	Prepare & submit fund raising proposals	Proposals submitted	No. of proposals submitted		1	2	2	2	2	6	1	1	1	1	1	r.
	Undertake value for money studies	Value for money audits	No. of Audits		1	1	1	1	1	5	5	5	5	5	5	25
	Develop & imple- ment an engagement framework	Resource mobilisation framework and guide- lines	Framework in place		1	1	1	-	1	r.	1	1	1	1	1	rv.
	Construct an additional office block for income generation	Commence- ment of con- struction of office block	1 No. office block		0	-	0	0	0	1	10	10	1,000	1	1	1,020

Strategic O Country By Sustainability	Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 20. Sustainability Of Constructed Water Structures	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	ge In The And Enhance	Actor	Target	Target by Plan Year	Year				Budget b	y Plan Ye	Budget by Plan Year (Kshs Millions)	Millions)		
Strategy	Activities	Means of Verification/ Output	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
Strat- egy 31: Strength- en the	Develop & implement BDU policy document	Policy document	BDU Policy document in place	GM- CSD	-	1		0	0	1	2	1			ı	2
Capac- ity of Business Develop- ment Unit	Develop and imple- ment an engagement framework	Resource mobilisation framework and guide- lines	Framework in place		Once	0	Re- view	0	0	2	1			1		7
	Ensure growth in	Drilling of boreholes	Profits raised		56	70	06	45	50	311	20	30	50	75	100	275
	profit annually	Construction of dams and pans	Profits raised			3	9	15	20	44		10	20	30	40	100
		Lease of office space	Amount raised		37	37	40	0	0	114	-	2	72	5	5	21
			SUB	-TOTAL 4							129	171	1,341	429	343	2,413
Strategy 32: Develop & Imple-	Develop brand iden- tification manual	Brand ID manual in place	Brand ID manual in place	GM- CS	1	1	ı	ı		1	2	1	1		1	2
ment a Commu- nication Strategy	Implement a brand Iden- tification manual	Assets, sign posts & corporate wear branded	No. of Assets, sign posts & corporate wear branded		1	1	1	1	-	ıv	10	15	20	15	15	70

ic Of / By 1 Ibillity	Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 20 Sustainability Of Constructed Water Structures	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	e In The And Enhance	Actor	Target	Target by Plan Year	Year				Budget b	y Plan Ye	Budget by Plan Year (Kshs Millions)	Millions)		
Strategy	Activities	Means of Objectivel Verification/ Verifiable Output Indicator	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
	Develop CSR /CSI policy	Policy in place	Policy in place		1	1	1	1	1	72	1		-	1		0
	Implement & undertake CSR/ CSI	CSI/ CSR activities	No. of CSR/ CSI activities		1	1	1	1	1	5	5	7	9	10	10	41
Strat- egy 33: Enhance Customer Service	Undertake customer satisfaction surveys	Satisfaction Surveys	No. of sur- veys		1	1	1	1	-	ru.	1	1	1	1	1	rU
	Establish a resource center at the HQs	Operational Resource Center	Resource center in place		1	0	0	0	0	1	9	2	2	2	2	14
	Publish relevant information, communication & education materials	Information, education & communication dissemination	Quarterly magazine		4	4	4	4	4	20	1.5	1,5	2	2	е	01

Strategic O Country By Sustainability	Strategic Objective 1: To Increase Water Stor Country By 148.6 Million Cubic Meters By 203 Sustainability Of Constructed Water Structures	Strategic Objective 1: To Increase Water Storage In The Country By 148.6 Million Cubic Meters By 2026 And Enhance Sustainability Of Constructed Water Structures	e In The And Enhance	Actor	Target l	Target by Plan Year	ľear				Budget b	y Plan Y	Budget by Plan Year (Kshs Millions)	Millions)		
Strategy	Activities	Means of Verification/ Output	Objectively Verifiable Indicator		21/22	22/23	23/24	24/25	25/26	Total	21/22	22/23	23/24	24/25	25/26	Total
	Enhance stakeholder engagement	Be an active member in local & international water infrastructure institutions Set benchmarks and best practices through shared information Organise interactive local and international conferences	Annual No. of events hosted	CS CS						וח וח	10	5 01	5 10	5 21	5 21	54
			SUB -	- TOTAL 5	2						09	58.5	73	1.2	72.5	335
			⊢	TOTAL							9,47 5.40	9,98	12,0 01.16	12,5 07.20	12,7 39.41	56,7 07.37

Annex 2: Notes on Implementation Matrix for Strategy 1 in the Strategic Plan

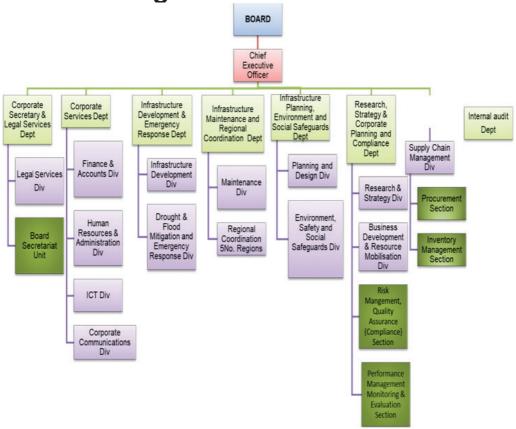
These notes should be read together with the Implementation Matrix

Activity			Financi	Financial Year		
	2021/23	23	202	2023/25	20	2025/26
	Project Name	No. of Stakeholder Forums	Project Name	No. of Stakeholder Forums	Project Name	No. of Stakeholder Forums
Carry out	Koru	2	Koru	2	Koru	2
Stakeholder Sensitisation	Bosto	2	Bosto	2	Bosto	2
	Umaa	1	Umaa	1	Umaa	1
	Badasa	1	Badasa	1	Badasa	1
	Nakue'tum (Peace dam)	2	Londiani	2	Londiani	1
	Igembe	2	Isiolo	1	Isiolo	1
			Rumuruti	1	Rumuruti	1
			Upper Narok	2	Upper Narok	1
			Igembe	2		
Total Stakeholder Forums	· Forums	12		14		01
Carry Out Feasibility Studies	Project Name	Feasibility Studies Done	Project Name	Feasibility Studies Done	Project Name	Feasibility Studies Done
	Nakue'tum (Peace dam)	1	Thua	1	Kinale	1
	Igembe	1	Kinja	1	Kitiri	1
Total Feasibility Studies	tudies	2		2		2
	Project Name	Preliminary Design Report	Project Name	Preliminary Design Report	Project Name	Preliminary Design Report
Total Preliminary and Final Design	and Final Design	1		5		з

Activity			Financi	Financial Year		
	2021/23	23	202	2023/25	07	2025/26
	Project Name	No. of Stakeholder Forums	Project Name	No. of Stakeholder Forums	Project Name	No. of Stakeholder Forums
Carry Out Preliminary And Final Design	Nakue'tum (Peace)	1	Bosto	1	Thua	1
			Pesi	ı	Kinja	1
			Londiani	1	Rare	1
			Rumuruti	1		
			Upper Narok	1		
Undertake			Koru	2.5	Isiolo	6.4
Resettlement Action Plan			Bosto	1.2	Londiani	1.5
Total acres for compensation	mpensation			2.8		6.01
Commence			Umaa	001	Bosto	09
Construction of			Badasa	001	Koru	50
(Starting and	Siyoi	09	Siyoi	100	Isiolo	15
ongoing)	Nakue'tum (Peace dam)	100	Bosto	30	Londiani	20
			Koru	25	Igembe	
			lgembe			

Activity			Financ	Financial Year		
	2021/23	23	202	2023/25	50	2025/26
	Project Name	No. Completed Large Dams/Pans	Project Name	No. Completed Large Dams	Project Name	Capacity (Mm³)
Large Dams to be Constructed		1			Umaa	0.87
		1			Badasa	5.4
		1			Siyoi	6.8
		1			lgembe	8
		1			Koru	93.7
		1			Bosto	29
					Peace	0.87
Small Dams & Pans		25	5	@ 15,000m³	Various (national)	1.875
		Total Capacity of Completed Dams	ompleted Dams			148.6

Annex 3: Organisation Structure



Annex 4: Monitoring, Evaluation and Reporting Tool

7 0 0 X	Program: Goal: Objective: Key Strategy:												
	Key	KPIs	KPIs Performan	mance				Budget ₽	Budget Allocation				
	Activities		Annual	Mid-	Actual	YTD	Variance	Annual	Actual YTD Variance Annual Monthly Actual YTD	Actual	l	Vari-	Remarks
			Target	Year		actual	(%)	Target	Target		actual	ance	
				Target								(%)	
1													
7													
3													
4													

Annex 5: List Of Participants

BOARD OF DIRECTORS

(1) Maj. Gen. Andrew Ikenye, CBS - Board Chairman

(2) Mr. Bernard O.Okebe HSC - Director
 (3) Dr. Geofrey G.Kamau - Director
 (4) Hon. Banticha A.Jaldesa - Director
 (5) Ms. Monica N.Cherutich - Director
 (6) Mr. Waning'ilo Walubengo - Director

(7) Ms. Jane Mwikali - Director
(8) Mr. Abdi Dara - Director

(9) Eng. SAO Alima - Director, representing PS, Ministry of Water, Sanitation & Irrigation

(10) Mr. Cyrus M. Mbogo - Director, representing PS Lands and Physical Planning

(11) CS. Sharon Obonyo - Ag. Chief Executive Officer & Secretary to the Board

MANAGEMENT TEAM

(1) CS. Sharon Obonyo - Ag. Chief Executive Officer

(2) CPA Patrick Ataro - GM Finance & Corporate Planning (3) Eng. Henry Kigenyi - In Charge Technical Planning &

Design

(4) Eng. Reuben Itiko - In Charge Construction

(5) CS. Joseph Ojiambo - Ag. GM – Human Resource &

Admin

(6) Mr. George Nyabicha
 (7) Ms. Doris Mwangi
 (8) Mr. John Musyoka
 (9) CPA Philip Nzengu
 Chief Marketing Officer
 Ag. Chief Legal Officer
 Chief Procurement Officer
 Chief Internal Auditor

(10) Ms. Joyce Rono - Chief Corp. Comm. Officer

(11) Mrs. Nancy Rotich - Management Representative - ISO

STRATEGIC PLAN COMMITTEE

GM Finance & Corporate Planning -(1) CPA Patrick Ataro Coordinator Chief Economist - Chairman (2) Mr. Job Kiprotich Eng. Fred Machine Chief Engineer (3) Mr. Robert Nthenge Principal Economist (4) Principal ICT Officer (5) Mrs. Nancy Rotich Mr. Wilfred Munyiri **Principal Corporate Communications** (6) Officer Ms. Nancy Murigu Senior Human Resource Officer (7) (8) Ms. Florence Birir Chief Office Administrator







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