



ENVIRONMENT PROTECTION, WATER AND NATURAL RESOURCES SECTOR MTEF 2026/27-2028/29

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OUTLINE

1. Introduction
2. Programme Performance Review for 2022/23 - 2024/25
3. Medium Term Priorities and Financial Plan for the MTEF Period 2026/27 – 2028/29
4. Cross- Sector Linkages, Emerging Issues and Challenges
5. Conclusion and Recommendations



1. INTRODUCTION

SECTOR VISION

“Sustainable development in a clean and secure environment.”

SECTOR MISSION

“To promote sustainable utilization and management of environment and natural resources for socio- economic development.”



1. Introduction

Strategic objectives of the Sector are:

- ▶ Increase **area under irrigation** for food security and economic growth;
- ▶ Facilitate **universal access to adequate, safe and sustainably** managed water and sanitation resources for socio- economic development;
- ▶ Generate and manage **geodata and mineral resources** for socio-economic development;
- ▶ Enhance **wildlife conservation and management** for sustainable development;
- ▶ **Conserve, protect and manage** the environment for sustainable socio economic transformation; and
- ▶ Enhance **forest development, management and conservation** for sustainability and posterity.



2. SECTOR PROGRAMME PERFORMANCE REVIEW 2022/23-2024/25



Summary of Sector Budget Performance (Kshs Million)

Expenditure Classification	Approved Budget			Actual Expenditure		
	2022/23	2023/24	2024/25	2022/23	2023/24	2024/25
Recurrent	26,595.49	39,012.45	34,925.43	26,174.25	35,968.14	34,181.58
Development	68,469.10	72,945.26	49,576.50	48,347.30	56,579.60	45,915.72
Total	95,064.59	111,957.71	84,501.93	74,521.55	92,547.74	80,097.30
Absorption rate				78%	83%	95%



REVIEW OF PROGRAMME PERFORMANCE

IRRIGATION SUB-SECTOR

- i. Developed additional 108,210 acres put under irrigation in various community managed and smallholder irrigation projects.
- ii. Supported production of 320,000 tons of Paddy rice valued at KES 64 Billion.
- iii. Increased irrigation water storage capacity by an additional 42million cubic meters to irrigate 28,000 acres of land.
- iv. Progressed the Construction works at Galana Kulalu Food Security Project to 99% completion rate. The project on-boarded a private party to drive large-scale maize production.
- v. Rehabilitated 880 hectares of degraded lands across the country,
- vi. Equipped additional 20 public schools with micro irrigation systems including boreholes, greenhouses and raised water tanks for horticulture and fruit seedlings production.

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2. REVIEW OF PROGRAMME PERFORMANCE Cont...

WATER AND SANITATION SUB-SECTOR

- Operationalized Bulk water supply at the **Karimenu II system** (Capacity of **70,000 m³/day**) and the **Northern Collector Water Diversion Tunnel** (Capacity of **140,000m³/day**)
- **23 towns** and **120 Schools** connected with water services
- Completed **Yamo Dam** in Samburu county (**1.2MM³**) and **Thwake Dam** progressed to 94% completion
- **135** small dams and pans were constructed across the country providing over **2.7 million m³** of surface water storage
- 13 towns under Kenya towns connected to sewer services
- **Constructed 150** low-cost safe pit latrines and human waste recycling plants.
- **Rehabilitated 54 River Gauging stations** and **Upgraded 10 manual stations** to telemetry for real time monitoring of river water levels.
- Finalized drilling of **7 exploratory boreholes** in ASAL Counties to provide groundwater data
- Cleaned up **25.7 Km** of **Athi River** and mapped pollution hotspots and dischargers



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REVIEW OF PROGRAMME PERFORMANCE Cont...

MINING SUB-SECTOR

- ▶ Issued 7,783 mineral export permits; 6,427 commercial explosives licenses and 472 fireworks permits;
- ▶ Inspected 85 exploration operations, 224 mining operations, 160 mineral dealers' operations, 610 commercial **explosives operations** and 771 fireworks operations.
- ▶ Conducted mineral exploration of 14 industrial and 4 agro minerals - Copper, Coltan, Iron, and Volcanic Massive Sulphide (VMS);
- ▶ Conducted preliminary assessments of strategic minerals in 7 counties; and signed 2 Joint Ventures.
- ▶ Conducted 4 geological site investigations; and
- ▶ Trained 8,725 Artisanal and Small Scale Miners (ASM) on mine Safety, Health and Environment and formalized 255 operations into Mining Marketing Co-operatives.





2. REVIEW OF PROGRAMME PERFORMANCE Cont...

WILDLIFE SUB-SECTOR

- a) Disbursed Ksh. 2,818 million as human wildlife conflict compensation claims
- b) Reduced poaching of threatened and endangered species by 54%;
- c) Recruited and trained 1,350 Rangers and 150 Cadets to enhance wildlife conservation management.
- d) Restored 7,839 hectares of wildlife habitat;
- e) Received 8.96 million park visitors thus realizing Ksh.21,097 Million in A-i-A revenue; through digitization revenue collection in National parks;
- f) Constructed, rehabilitated and maintained 169.5 kms, 121.5kms and 5,866kms respectively in National parks;
- g) Provided water for wildlife by constructing 18 water pans and 2 boreholes;
- h) Conducted National Wildlife Census to determine wildlife populations





2. REVIEW OF PROGRAMME PERFORMANCE Cont...

ENVIRONMENT AND CLIMATE CHANGE SUB-SECTOR

- Established 4 mini e-waste model collection centers; six (6) model waste management demonstration centres; and Six (6) Model Material Recovery Facilities (MRFs) to promote circular economy;
- Licensed 249,758 waste transporters;
- Established 6 green points/ centers of excellence to promote environmental conservation;
- Rehabilitated 360 hectares of degraded ecosystem; Protected 427,803 hectares of water catchment areas; Produced 250,000 high value tree seedlings;
- Installed 120 Automatic Weather Stations across 24 Counties, and three (3) Automatic Weather Observing Systems to enhance accuracy and reliability of weather forecasts;
- Restored Fifty-nine (59) wetlands across the country;
- Developed and submitted to UNFCCC the Kenya's Nationally Determined Contributions (NDC) commitment (2031 – 2035) to unlock climate finance; and
- Promoted Climate resilience through climate mitigation and adaptation actions.





2. REVIEW OF PROGRAMME PERFORMANCE Cont...

FORESTRY SUB-SECTOR

- Coordinated the growing of 1.076 billion trees under the 15 billion tree programme
- Produced 192,981 Kg and Distributed 150,367 Kg of quality tree seeds
- Produced 260.1 Million assorted tree seedlings
- Rehabilitated 58,976.4 Ha of degraded Natural forests
- Established 27,633.2 Ha of woodlots in private farms
- Protected 2.602 Million Ha of gazetted natural forests
- Established 16,004 Ha of forest plantations in gazetted public forests, 18,259 Ha of commercial forests and 2,141 Ha of bamboo forests
- Constructed 12 seeds processing units
- maintained 610.7 Km of forest roads
- maintained 389.4 Ha of seed sources





3. GOVERNANCE AND POLICY DEVELOPMENT:

The sector developed the following laws and policies

- Access to Biological Resources and Benefit Sharing) Regulations, 2025
- Extended Producer Responsibility Regulations
- The Water (Amendment) Bill 2024 was enacted.
- The Water developed regulations on Water Resources, Water Services, Water Harvesting and Storage.
- National Sanitation Management Policy
- Access and Conservation Fees Regulations 2025
- Five Mining regulations including: Dealings in Minerals (Amendment); Gemstone Identification and Value Addition (Fees); License and Permit (Amendment); Royalty Collection and Management; and Mining support services (Amendment)



ANALYSIS OF PERFORMANCE OF CAPITAL PROJECTS

- The Sector continued to implement **305** capital projects

Sub-Sector	Number of Projects
Irrigation	30
Water & Sanitation	180
Mining	20
Wildlife	18
Environment & Climate Change	36
Forestry	21
Total	305



3. MEDIUM TERM PRIORITIES AND FINANCIAL PLAN FOR THE MTEF PERIOD 2026/27 – 2028/29



3. Programmes and Objectives

Sub-Sector	Programme	Objective
Irrigation	Irrigation and Drainage Development	To increase irrigated crop production
	Land Reclamation and Climate Resilience Irrigation Development	To strengthen reliability of irrigation water increased and resilience of communities against drought
Water and Sanitation	Water Resources Management	To increase availability of safe and adequate water
	National Water & Sanitation Investment	To enhance accessibility of water and Sanitation services



3. Programmes and Objectives Cont...

Sub-Sector	Programme	Objective
Mining	Geological Survey and Geo-information Management	To provide and manage Geo-scientific data to prospective clients and for easy access
	Mineral Resource Management	To effectively manage licensing and concession, promote minerals value addition and marketing.
Wildlife	Wildlife Conservation and Management	To sustainably conserve and manage Kenya's wildlife
Environment and Climate change	Environment Management and Protection.	To sustainably, manage and conserve environment.
	Meteorological Services.	To provide reliable weather and climate information for decision making.
	Water Towers Conservation and Rehabilitation	To sustainably manage, conserve and protect and water towers



3. Programmes and Objectives Cont...

Sub-Sector	Programme	Objective
Forestry	Forest Development, Management and Conservation	To develop, research, manage and conserve forest resources and ecosystems for sustainable development and posterity
	Agroforestry and Commercial forestry	To promote development of agroforestry and commercial forestry
Sector	General Administration, Planning and Support Services	To enhance governance and service delivery in the Sector



3. KEY OUTPUTS IN THE FY 2026/27 AND MEDIUM TERM

IRRIGATION SUB-SECTOR

- ▶ Increase the area under irrigation by **300,000** acres through development and rehabilitation of irrigation infrastructure.
- ▶ Increase Capacity of water harvested and stored for irrigation by **1 Billion** cubic metres.
- ▶ Increase paddy rice production to **900,000** metric tons.
- ▶ Equip **30** public schools with boreholes and greenhouses under the Micro-irrigation Programme for schools.
- ▶ Finalize the National Land Reclamation Policy and Bill.



3. KEY PRIORITIES IN THE FY 2026/27 AND THE MEDIUM TERM Cont...

WATER AND SANITATION SUB-SECTOR

- Increase access to clean and safe water from 74% to 80%
- Increase access to safely managed sanitation from 40.9% to 65% and elimination of open defecation
- Increase per-capita water storage from 107m³ in 2022 to 234m³
- Provide an additional 2.1million people with water and sanitation services in unserved and underserved urban and rural areas.
- Train 4,740. Water technicians at the KEWI and complete 67 projects within the KEWI campuses;
- Complete various water and sanitation projects including:
 - **Water and Sanitation Development Project (WSDP)** to serve 2,300,00 people.
 - **Yamo dam** to provide water to 40,000 people
 - **Mwache Dam** to provide up to 120 million cubic meters of Water and serve an additional 1.2 million citizens
 - **Siyoi-muruny Water Project** to serve 210,000 People
 - **Horn Of Africa –Groundwater For Resilience Project (MWSI/WSTF/ WRA)** to serve additional 1,500,000 people



3. KEY OUTPUTS IN THE FINANCIAL YEAR 2026/27 AND THE MEDIUM TERM Cont...

MINING SUB-SECTOR

- ▶ Conduct mineral exploration of 15 industrial, agro and construction minerals.
- ▶ Determine economic viability of 12 mineral deposits.
- ▶ Undertake exploration, feasibility and appraisal of 2 strategic minerals (copper and chromite)
- ▶ Complete the establishment of the Geo-Data Bank;
- ▶ Inspect 709 mining exploration operations, 555 mining operations, 722 mineral dealers' operations and 1,430 blasting sites of Commercial Explosives
- ▶ Train 9,700 Artisanal and Small Scale Miners (ASM) on mine Safety, Health and Environment and formalize 45 operations into Mining Marketing Co-operatives.
- ▶ Generate KShs 10.0 billion in mining royalties
- ▶ Grant 300 artisanal mining permits; issue 15,000 mineral export permits; 5,800 blasting Explosives permits and 1,050 fireworks licenses and permits.
- ▶ Map 120 blasting-induced vibration sites;



3. KEY OUTPUTS IN THE FINANCIAL YEAR 2026/27 AND THE MEDIUM TERM Cont...

WILDLIFE SUB-SECTOR

- a) Construct 125 Km, rehabilitate 180 Km, maintain 6,886 Kms of fences and construct 54 water pans in parks and conservancies to mitigate human wildlife conflict;
- b) Conduct a national wildlife census to establish wildlife population dynamics;
- c) conduct 12 wildlife disease surveillance studies to enhance wildlife health and 2 status study for control of invasive species;
- d) Develop, publish and disseminate 48 wildlife studies & research;
- e) **Facilitate 11 Million Park visitors;**
- f) Propagate 35 M and grow 15 M million indigenous tree seedlings, restore 8300 Ha of wildlife habitat;
- g) Maintain 8,996 km of roads and 90 airstrips in Parks and Conservancies;
- h) Enforce the ban on single use plastics in Protected areas;
- i) Conduct conservation education and awareness programs in communities and learning institutions ;
- j) **Disburse Ksh.5.95 Billion of wildlife compensation claims;**
- k) Graduate 2100 students on wildlife management;



3. KEY OUTPUTS IN THE FY2026/27 AND THE MEDIUM TERM Cont...

ENVIRONMENT & CLIMATE CHANGE SUB-SECTOR

- ▶ Review of National Environment Policy (2013) and the EMCA Act (1999) and develop 10 Regulations under Climate Change Act and Kenya Meteorology Bill
- ▶ Restoration of 40 degraded wetlands to enhance ecosystem resilience
- ▶ Strengthen enforcement on the ban of single-use plastics and enhance circular-economy
- ▶ Establishment of 12 demonstration centers for solid waste management
- ▶ Conservation of Cherangany Forest Ecosystem through growing of 4 million tree seedlings
- ▶ Restore 1,200 hectares of degraded land in the Lake Naivasha Basin and 700 hectares in the Lake Victoria Basin to strengthen watershed management.
- ▶ Reduction of greenhouse-gas emissions to 98 MTCO₂ equivalent through implementation of mitigation and adaptation actions across key sectors.
- ▶ Modernization of meteorological infrastructure and services to increase reliability and accuracy of weather forecasts for decision making across sectors



3. KEY OUTPUTS IN THE FINANCIAL YEAR 2026/27 AND THE MEDIUM TERM Cont...

FOREST SUB-SECTOR

- Grow 4.5 billion trees under the 15 billion tree programme
- Produce and distribute 700,000Kg of seeds
- Establish 400 tree nurseries
- Produce 2.2 Billion tree seedlings for rehabilitation of degraded
- Rehabilitate 330,050 hectares of degraded forest areas
- Protect and conserve 2.6 million of gazetted public forest
- Maintain 690 km forest roads
- Establish 6,800 Ha of bamboo forests
- Establish 8,504 Ha of forest plantations
- Gazette 4,500 Ha of public forests
- Establish 10,163 Ha of woodlots
- Develop and disseminate 139 Forest Research Technologies



3. Sector Budget Requirements and Allocations-KShs Million

Expenditure Classification	Approved Estimates	Requirement			Allocation		
	2025/26	2026/27	2027/28	2028/29	2026/27	2027/28	2028/29
Recurrent	33,877	59,692	59,915	63,559	35,259	37,765	40,442
Development	61,987	232,261	240,956	238,492	70,098	83,592	120,955
Total Sector	95,864	291,954	300,871	302,051	105,357	121,356	161,397



3. Recurrent Budget Requirements and Allocations-KShs Million

Expenditure Classification	Approved Estimates	Requirement			Allocation		
	2025/26	2026/27	2027/28	2028/29	2026/27	2027/28	2028/29
Gross	33,877	59,692	59,915	63,559	35,259	37,765	40,442
AIA	19,165	20,121	21,019	22,095	20,321	21,219	22,295
NET	14,712	39,571	38,896	41,464	14,938	16,546	18,147
Compensation to Employees	2,919	3,510	3,620	3,738	2,935	3,026	3,119
Transfers, Grants & Subscription	27,050	45,083	46,188	48,790	27,984	30,315	32,796
Other Recurrent	3,908	11,099	10,108	11,031	4,340	4,424	4,527

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3. Development Budget Requirement and Allocations FY 2026/27 & the Medium Term- -KShs Million

Description	Approved Estimates	Requirement			Allocation		
	2025/26	2026/27	2027/28	2028/29	2026/27	2027/28	2028/29
Gross	61,987	232,261	240,956	238,492	70,098	83,592	120,955
GOK	19,834	157,492	154,970	153,892	23,251	33,947	48,547
Loans	37,393	66,622	77,961	78,738	42,519	45,317	68,080
Grants	3,870.51	7,689	7,489	5,275	3,870	3,870	3,870
Local A-I-A	890	458	535	587	458	458	458



3. RESOURCE GAP

- ▶ The sector's resource requirement was **Kshs.894,876 million** compared to an allocation of **Kshs.388,110 million** resulting in a deficit of **Kshs. 506,766 million** during the MTEF period.
- ▶ The sector has prioritized key interventions for implementation in the MTEF Period using the available resources.



4. CROSS SECTOR LINKAGES, EMERGING ISSUES AND CHALLENGES



4. Cross-sector Linkages

- ▶ The EPWNR is linked to all other MTEF 9 sectors and it is vital for provision of natural resources which are utilized directly or indirectly in the production process in all sectors of our economy.
- ▶ The Sector is key in implementing the Sustainable Development Goals, Africa Union Agenda 2063, EAC Vision 2050, Kenya Vision 2030, BETA pillars among other relevant global frameworks.





4. EMERGING ISSUES

- ▶ Transition to a green economy and climate-resilient infrastructure.
- ▶ Technological innovation: AI, remote sensing, digital twins.
- ▶ Climate financing: Green Climate Fund, Adaptation Fund, Biodiversity Framework Fund.
- ▶ Desalination as a freshwater source.
- ▶ Geopolitics, cross-border wars, pandemics, and Zoonotic diseases.
- ▶ Shifting mineral supply chains and invasive species management.
- ▶ Natural resources benefit sharing



4. CHALLENGES

- ▶ Inadequate resources (funding and human capital)
 - ▶ Negative effects of Climate Change
 - ❖ Increasing droughts, floods, and pollution, losses to infrastructure, ecosystems, and livelihoods.
 - ❖ Deforestation and land degradation undermine climate resilience and ecosystem integrity.
 - ▶ Aged and dilapidated water and irrigation infrastructure causes high Non-Revenue Water.
 - ▶ Community conflicts and land compensation disputes delay project delivery.
 - ▶ High Cost of Resettlement Action Plan (RAP)
 - ▶ Illegal Mining and Environmental Crime
 - ❖ Unlicensed mineral extraction and smuggling fuel fraud, child labor, and ecosystem damage.
 - ❖ Limited enforcement capacity hampers regulation of artisanal and large-scale mining.
 - ▶ Human-wildlife conflicts (HWC) and due to human encroachment in wildlife habitats
 - ▶ Poor land-use practices, riparian encroachment, and invasive species reduce resource productivity



5. RECOMMENDATIONS AND CONCLUSIONS



5. RECOMMENDATIONS

- ❖ Diversify and mobilize resources through PPPs, climate finance, and blended funding models aligned to fiscal space.
- ❖ Promote climate-smart and inclusive investments, renewable energy, digital innovation, and community empowerment.
- ❖ Safeguard ecosystems and promote sustainable livelihoods through reforestation, restoration, and clean energy adoption.
- ❖ Enhance intergovernmental collaboration and partnerships with the private sector, research bodies, and development partners.
- ❖ Advance climate-smart human-wildlife co-existence through research, water access, and awareness initiatives.
- ❖ Citizen participation in tree growing towards achieving of 15 billion tree initiative



CONCLUSIONS

- ▶ Environment, Water, Natural Resources and Regional Development (EPWNR) Sector is a central pillar of Kenya's economy.
- ▶ The Sector has set priorities to be implemented in the MTEF period 2026/27 -2028/29 with clear targets aimed at achieving sustainable development in a clean and secure environment
- ▶ The implementation of the targeted interventions will contribute directly to inclusive socio-economic transformation
- ▶ The interventions are in line with Vision 2030, the Sustainable Development Goals, and the Bottom-up Economic Transformation Agenda.



THE END

Thank you