



COUNTY GOVERNMENT OF MERU

MERU COUNTY CLIMATE CHANGE ACTION PLAN (MCCAP) 2023 – 2027

2023–24 Activities

May, 2023

A United, Prosperous, Green and Happy County

2023-24 Implementation Matrix

Priority Action	Location/Wards	Expected output/outcomes	Key performance indicator	Responsible institutions	Targeted Groups	Time frame	Source of fund	Indicative Budget KES Million					
								Total Kshs. (M)	Y1	Y2	Y3	Y 4	Y5
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Afforest and reforest degraded and deforested area.	County wide (All 45 wards)	-Increase in land afforested or reforested by 2,500 hectares to improve resilience of ecosystems. -Improved Forest management by ensuring CBOs are prepared for management of community forests.	No. of tree seedlings planted. No of ha reforested. No of CBOs managing community forests	Ministry of Energy (MOE) Geothermal Development Corporation (GDC); Energy Regulatory Commission (ERC) ; KenGen ; PPPs; Kenya electricity Transmission Company (KETRACO)	Industries; Household consumer; Corporate consumers	2023-2024	Department of Energy, FLLoCA, County Government	40M	40 M				
-Waste management strategies by Promoting PPP in recycling, reduce and reuse of waste	Meru Municipality, Timau Municipality, Maua Municipality, Laare, Nkubu, Mikinduri, Mutuati and other markets across the County	Solid waste management improved through implementation of a circular economy.	-Recycling plants constructed -Tonnage recycled.					40 M	40 M				
Promote the transition to clean cooking with alternative clean fuels and clean biomass (charcoal and wood)	County wide (All 45 wards)	Promotion of use of improved biomass stoves or /and LPG stoves	No of household adopting LPG stoves					10 M	10 M				

Increase renewable energy generation	Muthara, Athwana, Mitunguu, Kiagu, municipality, Timau, Kirua/Naari, Ruiru Rwarera, Kangeta, Amwathi	Increased uptake of renewable energy with an emphasis on hydro, solar, wind and biomass	No of Green energy interventions adopted					5 M	5 M				
Mainstreaming Climate Change													
Farm forestry	County wide (All 45 wards)	-Increased adoption of climate smart agriculture methodologies and sustainable land management practices - Enhanced adoption of organic farming and agroforestry practices	Number of farmers practicing climate-smart agriculture; SLM activities carried out; No. of farmers practicing organic farming; No. of farmers practicing agroforestry	County Government s; FLLoCA ; Kenya Waters Towers Agency (KwTA); ; WSRB ; Private sector investors; and Planning NEMA ; KFS WRA KWS	Farmers; Pastoral and agro-pastoral communities in ASALs; Marginalised, Industries, urban community	2023-2024	County govt FLLoCA Department of Water, health, Agriculture, Investors	40 M	40 M				

Climate - proofing of all county development projects	County wide (All 45 wards)	<ul style="list-style-type: none"> - Increased rain-water harvesting and water storage infrastructure; -Enhanced adoption of water-efficient (monitor, reduce, re -use, recycle) technologies and -Climate proof landfill sites -Improved resilience of pastoralists and livestock farmers through re – seeding and rain-water harvesting and storage -Increased inspection of water quality and uptake of water metering - increased uptake green energy infrastructure -Enhanced adoption of environment-friendly transport infrastructure Enhance protection/conservation of degraded catchment areas -Securing dispersal areas and migratory pathways 	<ul style="list-style-type: none"> No. of households with access to water pans and ponds No. of flood ways constructed to water sector No. of landfill/waste disposal sites screened for climate impacts No. of household with access to good quality water No. of renewable energy infrastructure established No. of sustainable transport systems promoted No. of kilometres of roads that are climate proofed to harvest water and mitigate floods. No. of Conserved and rehabilitated degraded catchment areas No. Secured migratory pathways 						30 M	30 M				
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Climate Smart Agriculture Actions	Muthara, karama, nyaki East, nyaki West, Kangeta, Akachiu, Kanuni, Kiegoi/Antubochiu, Maua, municipality, Abo ward, Igoji East and West, Ntimau, Kirua/Naari, Ruriri rwarera, Kianjai, Nkomo, Mbeu, Akithii, Athwana, Ntima west and East, Mitunguu, Nkuene and Abogeta west and East wards	<p>- Increased uptake of conservation agriculture/ agroecological interventions in farming</p> <p>-Increased investments in rain-water harvesting in Institutions and households for agricultural purposes.</p> <p>-Enhanced access to better storage facilities to reduce pre -and post -harvest losses.</p> <p>-increased adoption of Sustainable Land Management systems and reclamation of degraded lands</p>	<p>No. of household practicing conservation agriculture</p> <p>No of household harvesting water for agriculture purposes</p> <p>No. of farmers practicing SLM</p>					4 M	4 M				
To promote climate change governance													
Legal and institutional frame work	County wide, but sector specific	A robust policy, legal and regulatory framework for climate change adaptation and mitigation	No of plans, policies and regulations developed	County Government s; FLLoCA ; Private sector investors; and Planning NEMA ; KFS WRA KWS	Enforcement officers County departments Private sector Staff	2023-2024	Department of Energy, FLLoCA, County Government	5 M	5 M				
Empowering Climate change governance structures	County wide, sector specific	Well-facilitated and empowered climate change governance structures	No. of training and sensitization workshops of ward, county climate change planning and steering committees done										

Mainstreaming climate change in County planning	County departments	Climate change is mainstreamed in all county plans	No. of green economy actions documented in the county development plans										
Public awareness and civic education													
Improve the ability of people to cope with climate hazards and vulnerability	County wide (All 45 wards)	Enhanced community and individual resilience and proactive action against the climate hazards, risks and vulnerabilities	<p>No of sensitization meetings held and No. of participants sensitized</p> <p>No of training workshops held and No. of participants trained</p> <p>No. Livelihood diversification methods and resilience actions adopted</p>	County Government, WRA; Kenya Metrological Department Water Services Trust Fund (WSTF); NDMA Red cross	Farmers; Pastoral and agro-pastoral communities in ASALs; Marginalised	2023-2024	County govt FLLoCA Department of Water, ALF	16 M	16 M				

Research and Technology												
Promote research and innovations in Climate Change adaptation and mitigation	County-wide (All 45 wards)	-Increased adoption, nurturing and incubation of climate change responsive innovations and technologies. -Enhanced nexus between indigenous knowledge and emerging knowledge in climate change mitigation and adaptation. -Enhanced shared learning	No. of research projects funded No. of documented innovations and indigenous knowledge No. of new innovations and technologies adopted	County Government s; FLLoCA ; Kenya Waters Towers Agency (KwTA); ; WSRB ; Private sector investors; and Planning NEMA ; KFS WRA KWS, KEFRI, KALRO, CRF	Research institutes, Community	2023-2027	Department of Energy, FLLoCA, County Government	3M	3 M			
Collaboration with research institutions	Sector specific	-Enhanced partnership with research and higher learning institutions to undertake research on new solutions and innovations for Climate change mitigation and adaptation	No. of joint research projects done No. of research reports documented and shared									
Climate Change incubation and innovation centers	Tigania , Igembes and Imenti regions	Increased adoption and uptake of innovations and new technologies in climate change	No of start-up/entrepreneurs nurtured No. of incubation centres/sites Established									

Resource mobilization												
Developing inventory of partners and stakeholders	County HQ	Enhanced partnerships and funded projects on climate change	No. of funded projects An inventory of partners in the county	County Government s; FLLoCA ; Kenya Waters Towers Agency (KwTA); ; WSRB ; Private sector investors; and Planning NEMA ; KFS WRA KWS, KEFRI, KALRO, CRF	Industries; Household consumer; Corporate consumers, Investors,	2023-2027	Department of Energy, FLLoCA, County Government	1 M	1 M			
Knowledge management and access to information												
Develop climate change information portal	County Hq and Subcounty HQs	An updated and rich county climate change portal	A functional and available county climate change portal	County Government s; FLLoCA ; Kenya Waters Towers Agency (KwTA); ; WSRB ; Private sector investors; and Planning NEMA ; KFS	Industries; Household consumer; Corporate consumers Investors	2023-2027	Department of Energy, FLLoCA, County Government	1 M	1 M			
Climate Information Services (CIS)	County wide	A well-informed county population which takes action based on information	No. of early warning systems established No. of bulletins/broadcasts released on climate change									

				WRA KWS, KEFRI, KALRO, CRF					2 M	2 M				
GIS Mapping	County HQ	All county resources, risks and Hazards are mapped using GIS	No. of GIS maps available											

