

About	This overview is part of a series prepared by the NAP Global Network Secretariat sharing analysis of the structures of national adaptation plan (NAP) documents.
	For more overviews of NAP documents, please visit the NAP Trends platform hosted by the NAP Global Network at: https://trends.napglobalnetwork.org/
	To read the full NAP document, visit the United Nations Framework Convention on Climate Change's (UNFCCC) NAP Central: https://napcentral.org/



Document Title	Ghana National Adaptation Plan 2025
Year of NAP submission to the UNFCCC	2026
Version	1
Last updated on	2026-04-21

Level	Label	Content	Parent Tag	Page #
1	Vision			
		Increase climate resilience and decrease vulnerability at the national and sub-national levels for enhanced sustainable development		27
2	Strategic Objectives			
	Strategic Objective 1	To reduce vulnerability to the impacts of climate change, by building adaptive capacity and resilience to enhance economic development		27
	Strategic Objective 2	To facilitate the integration of climate change adaptation, in a coherent manner, into planning processes and strategies, within all relevant sectors and at different levels, as appropriate		27
3	Long-term Objectives			
	Long-term Objective 1	Integrate currently disjointed sectoral and subnational adaptation initiatives to mainstream climate change adaptation holistically within Ghana's long-term development path		28
	Long-term Objective 2	Mainstream and institutionalize the implementation of climate change adaptation in the country's development governance structures to ensure continuity and consistency of pragmatic efforts, and by strengthening the horizontal and vertical integration		28
	Long-term Objective 3	Enhance institutional and individual capacities at the national and subnational levels to support climate adaptation mainstreaming		28
	Long-term Objective 4	Mobilize resources from public and private climate finance sources and from both domestic and international sources to enable the country to implement its climate change adaptation initiatives and to develop appropriate technical, material and expert capacities		28
	Long-term Objective 5	Establish resilient systems that can withstand disasters and risks imposed by climate change through building collaborative partnerships among the relevant stakeholders and enhancing the thematic integration among different development sectors		28
4	Priority Sectors			
	Priority Sector 1	Agriculture		57
	Priority Sector 2	Water		70
	Priority Sector 3	Cities and Disaster Risk Reduction		75
	Priority Sector 4	Biodiversity and Ecosystems		78
	Priority Sector 5	Health		85
	Priority Sector 6	Infrastructure		89
	Priority Sector 7	Youth		93
5	Sub-sectors			
	Sub-sector 1.1	Crop	Priority Sector 1	67
	Sub-sector 1.2	Livestock	Priority Sector 1	68
	Sub-sector 1.3	Fisheries	Priority Sector 1	69
	Sub-sector 2.1	Water (no further sub-sector)	Priority Sector 2	73
	Sub-sector 3.1	Urban and Rural Flood Risk Management & Resilience	Priority Sector 3	77
	Sub-sector 3.2	Improving Water Supply & Sanitation in Communities	Priority Sector 3	78
	Sub-sector 3.3	Strengthened Disaster Preparedness & Emergency Response	Priority Sector 3	78
	Sub-sector 3.4	Climate-Resilient Housing & Infrastructure	Priority Sector 3	78
	Sub-sector 3.5	Sustainable Transport Systems for Urban & Rural Mobility	Priority Sector 3	78
	Sub-sector 3.6	Drought-Resilient Agricultural Practices & Urban Food Security	Priority Sector 3	79
	Sub-sector 3.7	Ecosystem-Based Adaptation (EbA) for Urban & Rural Communities	Priority Sector 3	79

	Sub-sector 3.8	Coastal Resilience Against Sea-Level Rise & Erosion	Priority Sector 3	79
	Sub-sector 4.1	Forest Ecosystems	Priority Sector 4	84
	Sub-sector 4.2	Wetland Ecosystems	Priority Sector 4	84
	Sub-sector 4.3	Marine Ecosystems	Priority Sector 4	84
	Sub-sector 4.4	Aquatic Ecosystems	Priority Sector 4	85
	Sub-sector 5.1	Health Facilities	Priority Sector 5	88
	Sub-sector 5.2	Health Workforce	Priority Sector 5	88
	Sub-sector 5.3	Monitoring and Response Systems	Priority Sector 5	88
	Sub-sector 6.1	Energy	Priority Sector 6	91
	Sub-sector 6.2	Water	Priority Sector 6	91
	Sub-sector 6.3	Transport	Priority Sector 6	92
	Sub-sector 6.4	Cross-sectoral	Priority Sector 6	92
	Sub-sector 7.1	Youth (no further sub-sector)	Priority Sector 7	93
6	Adaptation Actions			
	Adaptation Action 1.1.1	Ensure women's legal rights to landownership for climate-resilient farming	Sub-sector 1.1	67
	Adaptation Action 1.1.2	Train female extension officers to provide climate-smart farming advice	Sub-sector 1.1	67
	Adaptation Action 1.1.3	Promote women's leadership roles in agricultural decision-making bodies	Sub-sector 1.1	67
	Adaptation Action 1.1.4	Integrate gender considerations into the planning and budgeting processes of government and NGO projects	Sub-sector 1.1	67
	Adaptation Action 1.1.5	Employ rainwater harvesting systems for irrigation during dry periods	Sub-sector 1.1	67
	Adaptation Action 1.1.6	Promote the adoption of drought- and pest-resistant crop varieties	Sub-sector 1.1	67
	Adaptation Action 1.1.7	Promoting integrated crop pest management practices	Sub-sector 1.1	67
	Adaptation Action 1.1.8	Adoption of efficient irrigation systems	Sub-sector 1.1	67
	Adaptation Action 1.1.9	Livelihood diversification	Sub-sector 1.1	67
	Adaptation Action 1.1.10	Planting of drought-resistant varieties of crops	Sub-sector 1.1	67
	Adaptation Action 1.1.11	Adjustment of farming schedules to align with changing climate patterns	Sub-sector 1.1	67
	Adaptation Action 1.1.12	Promotion of vertical gardening techniques	Sub-sector 1.1	67
	Adaptation Action 1.1.13	Encourage the use of crop varieties	Sub-sector 1.1	67
	Adaptation Action 1.1.14	Crop diversification	Sub-sector 1.1	67
	Adaptation Action 1.1.15	Use of improved seeds	Sub-sector 1.1	67
	Adaptation Action 1.1.16	Use of climate-smart agricultural practices	Sub-sector 1.1	67
	Adaptation Action 1.1.17	Promotion of farming practices to restore degraded ecosystems	Sub-sector 1.1	67
	Adaptation Action 1.1.18	Provision of technical services to farmers	Sub-sector 1.1	67
	Adaptation Action 1.1.19	Implement conservation agriculture techniques	Sub-sector 1.1	67
	Adaptation Action 1.1.20	Implement crop insurance schemes	Sub-sector 1.1	67
	Adaptation Action 1.2.1	Training and capacity building	Sub-sector 1.2	68
	Adaptation Action 1.2.2	Develop heat-tolerant livestock breeds that can withstand increasing temperatures in tropical regions	Sub-sector 1.2	68
	Adaptation Action 1.2.3	Create drought-resistant pasture and fodder crop varieties to ensure consistent animal feed	Sub-sector 1.2	68
	Adaptation Action 1.2.4	Introduce silvopastoral systems integrating trees and livestock for enhanced environmental resilience	Sub-sector 1.2	68
	Adaptation Action 1.2.5	Implement rotational grazing strategies to prevent land degradation and maintain pasture health	Sub-sector 1.2	68
	Adaptation Action 1.2.6	Implement improved animal housing designs with better ventilation and cooling systems	Sub-sector 1.2	68
	Adaptation Action 1.2.7	Develop portable shade structures for livestock during extreme heat conditions	Sub-sector 1.2	68
	Adaptation Action 1.2.8	Develop precision livestock farming technologies using digital monitoring systems	Sub-sector 1.2	68
	Adaptation Action 1.2.9	Implement water harvesting and efficient water management techniques for livestock farming	Sub-sector 1.2	68
	Adaptation Action 1.2.10	Develop lightweight, breathable animal gear for temperature management	Sub-sector 1.2	68
	Adaptation Action 1.2.11	Establish community-based livestock insurance schemes to protect farmers against climate-related losses	Sub-sector 1.2	68
	Adaptation Action 1.2.12	Train farmers in climate-adaptive livestock management techniques and best practices	Sub-sector 1.2	68
	Adaptation Action 1.2.13	Develop mobile veterinary services with real-time disease monitoring and early warning systems	Sub-sector 1.2	68
	Adaptation Action 1.2.14	Establish regional fodder banks to ensure consistent feed during prolonged dry seasons	Sub-sector 1.2	68
	Adaptation Action 1.2.15	Create localized livestock disease resistance breeding programs	Sub-sector 1.2	68
	Adaptation Action 1.2.16	Develop early warning systems for climate-related livestock health risks	Sub-sector 1.2	68
	Adaptation Action 1.2.17	Establish community-based animal health worker training programs	Sub-sector 1.2	68
	Adaptation Action 1.2.18	Create market linkages that incentivize climate-resilient livestock production	Sub-sector 1.2	68
	Adaptation Action 1.2.19	Access to weather forecasts and early warnings	Sub-sector 1.2	68
	Adaptation Action 1.3.1	Capacity building and training	Sub-sector 1.3	69
	Adaptation Action 1.3.2	Implement marine protected areas to preserve critical fish breeding and nursery habitats	Sub-sector 1.3	69

Adaptation Action 1.3.3	Promote aquaculture and diversify fish species for climate resilience	Sub-sector 1.3	69
Adaptation Action 1.3.4	Develop climate-adaptive fish breeding programs focusing on temperatureresistant species	Sub-sector 1.3	69
Adaptation Action 1.3.5	Establish regional fish gene banks to preserve genetic diversity	Sub-sector 1.3	69
Adaptation Action 1.3.6	Create comprehensive marine ecosystem restoration strategies targeting critical coastal zones	Sub-sector 1.3	69
Adaptation Action 1.3.7	Develop marine biodiversity conservation strategies targeting vulnerable fish species	Sub-sector 1.3	69
Adaptation Action 1.3.8	Establish community-based fish breeding and restocking programs	Sub-sector 1.3	69
Adaptation Action 1.3.9	Enhancement of Biodiversity	Sub-sector 1.3	69
Adaptation Action 1.3.10	Develop advanced marine monitoring systems to track fish population changes due to climate shifts	Sub-sector 1.3	69
Adaptation Action 1.3.11	Create climate-resilient aquaculture technologies for sustainable fish production	Sub-sector 1.3	69
Adaptation Action 1.3.12	Implement precision aquaculture technologies using satellite and drone monitoring	Sub-sector 1.3	69
Adaptation Action 1.3.13	Introduce advanced fish tracking and migration pattern technologies	Sub-sector 1.3	69
Adaptation Action 1.3.14	Develop early warning systems for marine ecosystem temperature changes	Sub-sector 1.3	69
Adaptation Action 1.3.15	Implement advanced coastal zone management techniques to protect marine habitats	Sub-sector 1.3	69
Adaptation Action 1.3.16	Develop innovative fish processing technologies that reduce post-harvest losses	Sub-sector 1.3	69
Adaptation Action 1.3.17	Implement sustainable fishing gear technologies that minimize environmental impact	Sub-sector 1.3	69
Adaptation Action 1.3.18	Educate communities on climate-smart fishing practices	Sub-sector 1.3	69
Adaptation Action 1.3.19	Strengthen regulations against overfishing and illegal fishing practices	Sub-sector 1.3	69
Adaptation Action 1.3.20	Monitor water quality and implement pollution control measures	Sub-sector 1.3	69
Adaptation Action 1.3.21	Develop artificial reefs and habitat structures	Sub-sector 1.3	69
Adaptation Action 2.1.1	Restoration and conservation of wetlands and watersheds	Sub-sector 2.1	73
Adaptation Action 2.1.2	Restoration of buffer zones	Sub-sector 2.1	73
Adaptation Action 2.1.3	Watershed management	Sub-sector 2.1	73
Adaptation Action 2.1.4	Promotion of Indigenous knowledge and practices in water conservation	Sub-sector 2.1	73
Adaptation Action 2.1.5	Strengthen research on water resource management including groundwater resources	Sub-sector 2.1	73
Adaptation Action 2.1.6	Management plans for River basins	Sub-sector 2.1	73
Adaptation Action 2.1.7	Real-time monitoring and forecasting of the flows	Sub-sector 2.1	73
Adaptation Action 2.1.8	Climate-smart River Management System	Sub-sector 2.1	74
Adaptation Action 2.1.9	Provide climate-resilient infrastructure in critical areas of disaster risk reduction	Sub-sector 2.1	74
Adaptation Action 2.1.10	Strengthen capacity in designing and developing climate-resilient infrastructure	Sub-sector 2.1	74
Adaptation Action 2.1.11	Monitoring of extreme rainfall events that could cause flood	Sub-sector 2.1	74
Adaptation Action 2.1.12	Comprehensive Disaster Management (DM) Plans	Sub-sector 2.1	74
Adaptation Action 2.1.13	Improved drought and flood forecasting, preparedness and response system	Sub-sector 2.1	74
Adaptation Action 2.1.14	Enhance awareness of communities on water-related hazards	Sub-sector 2.1	74
Adaptation Action 2.1.15	Harvesting rainwater for domestic use	Sub-sector 2.1	74
Adaptation Action 2.1.16	Adoption of Green roofing in cities	Sub-sector 2.1	74
Adaptation Action 2.1.17	Ensuring proper monitoring, planning and supply of drinking water	Sub-sector 2.1	74
Adaptation Action 2.1.18	Strengthen drinking water quality monitoring and surveillance	Sub-sector 2.1	74
Adaptation Action 2.1.19	Strengthen database on drinking water supply schemes	Sub-sector 2.1	74
Adaptation Action 2.1.20	Improve planning, designing and implementation of climate-resilient irrigation infrastructures and systems	Sub-sector 2.1	74
Adaptation Action 2.1.21	Integrate watershed management in hydropower planning	Sub-sector 2.1	74
Adaptation Action 3.1.1	Community-based flood risk mapping	Sub-sector 3.1	77
Adaptation Action 3.1.2	Hydrological model development	Sub-sector 3.1	77
Adaptation Action 3.1.3	Flood risk management committees	Sub-sector 3.1	77
Adaptation Action 3.1.4	Zoning regulation enforcement	Sub-sector 3.1	77
Adaptation Action 3.1.5	Drainage system upgrades	Sub-sector 3.1	77
Adaptation Action 3.1.6	Retention basins & green infrastructure	Sub-sector 3.1	77
Adaptation Action 3.1.7	Early warning systems for floods	Sub-sector 3.1	77
Adaptation Action 3.1.8	Community evacuation training & drills	Sub-sector 3.1	77
Adaptation Action 3.2.1	Water resource vulnerability assessments	Sub-sector 3.2	78
Adaptation Action 3.2.2	Urban water distribution upgrades	Sub-sector 3.2	78
Adaptation Action 3.2.3	Enforcement against galamsey (illegal mining)	Sub-sector 3.2	78
Adaptation Action 3.2.4	Community-led water source protection	Sub-sector 3.2	78
Adaptation Action 3.2.5	Watershed rehabilitation	Sub-sector 3.2	78
Adaptation Action 3.2.6	Public awareness on sanitation & illegal mining	Sub-sector 3.2	78
Adaptation Action 3.2.7	Housing law enforcement (toilets)	Sub-sector 3.2	78

	Adaptation Action 3.2.8	Emergency water storage systems	Sub-sector 3.2	78
	Adaptation Action 3.2.9	PPPs for sustainable infrastructure	Sub-sector 3.2	78
	Adaptation Action 3.3.1	Inclusive vulnerability assessments	Sub-sector 3.3	78
	Adaptation Action 3.3.2	Hazard and risk profiles for all districts	Sub-sector 3.3	78
	Adaptation Action 3.3.3	Resilient shelters construction	Sub-sector 3.3	78
	Adaptation Action 3.3.4	GNFS fire tenders & hydrants	Sub-sector 3.3	78
	Adaptation Action 3.3.5	Ambulance services expansion	Sub-sector 3.3	78
	Adaptation Action 3.3.6	DRR funds & local committees	Sub-sector 3.3	78
	Adaptation Action 3.3.7	Coastal protection & monitoring systems	Sub-sector 3.3	78
	Adaptation Action 3.4.1	Housing/infrastructure vulnerability assessments	Sub-sector 3.4	78
	Adaptation Action 3.4.2	Enforcement of resilient building codes	Sub-sector 3.4	78
	Adaptation Action 3.4.3	Retrofitting public buildings	Sub-sector 3.4	78
	Adaptation Action 3.4.4	Disaster-resilient housing reconstruction	Sub-sector 3.4	78
	Adaptation Action 3.4.5	Zoning enforcement (removal of illegal structures in waterways)	Sub-sector 3.4	78
	Adaptation Action 3.5.1	Transport network vulnerability assessments	Sub-sector 3.5	78
	Adaptation Action 3.5.2	Elevated roads & bridges	Sub-sector 3.5	78
	Adaptation Action 3.5.3	Road reconstruction with resilient materials	Sub-sector 3.5	78
	Adaptation Action 3.5.4	Expanded urban/rural mobility systems	Sub-sector 3.5	78
	Adaptation Action 3.5.5	Public transport expansion (bus/train)	Sub-sector 3.5	78
	Adaptation Action 3.5.6	Road drainage maintenance	Sub-sector 3.5	78
	Adaptation Action 3.5.7	Energy-efficient transport (electric buses)	Sub-sector 3.5	78
	Adaptation Action 3.6.1	Irrigation, improved seeds, & storage facilities	Sub-sector 3.6	79
	Adaptation Action 3.6.2	Drought vulnerability maps & early warning	Sub-sector 3.6	79
	Adaptation Action 3.6.3	Small-scale irrigation & reservoirs	Sub-sector 3.6	79
	Adaptation Action 3.6.4	Agroforestry & drought-resistant crops	Sub-sector 3.6	79
	Adaptation Action 3.6.5	Drought contingency funds	Sub-sector 3.6	79
	Adaptation Action 3.6.6	Urban food banks & cold storage hubs	Sub-sector 3.6	79
	Adaptation Action 3.6.7	Soil conservation & farmer training	Sub-sector 3.6	79
	Adaptation Action 3.7.1	Ecosystem vulnerability mapping	Sub-sector 3.7	79
	Adaptation Action 3.7.2	Awareness campaigns on EbA	Sub-sector 3.7	79
	Adaptation Action 3.7.3	Restoration of degraded ecosystems	Sub-sector 3.7	79
	Adaptation Action 3.7.4	Community-led conservation & incentives	Sub-sector 3.7	79
	Adaptation Action 3.8.1	Coastal protection (sea walls, mangroves, buffer zones)	Sub-sector 3.8	79
	Adaptation Action 3.8.2	Resilient coastal building standards	Sub-sector 3.8	79
	Adaptation Action 3.8.3	Relocation of vulnerable communities	Sub-sector 3.8	79
	Adaptation Action 3.8.4	Coastal defences construction/maintenance	Sub-sector 3.8	79
	Adaptation Action 3.8.5	Research into nature-based solutions	Sub-sector 3.8	79
	Adaptation Action 3.8.6	Community awareness & engagement	Sub-sector 3.8	79
	Adaptation Action 4.1.1	Reforest using native and climate-resilient species	Sub-sector 4.1	84
	Adaptation Action 4.1.2	Establish Forest restoration corridors	Sub-sector 4.1	84
	Adaptation Action 4.1.3	Promote sustainable non-timber forest product (NTFP) harvesting	Sub-sector 4.1	84
	Adaptation Action 4.1.4	Strengthen monitoring and enforcement against illegal logging/ mining	Sub-sector 4.1	84
	Adaptation Action 4.1.5	Encourage agroforestry in forest-fringe communities	Sub-sector 4.1	84
	Adaptation Action 4.2.1	Restore degraded mangroves and swamp forests	Sub-sector 4.2	84
	Adaptation Action 4.2.2	Develop alternative livelihoods (e.g., aquaculture)	Sub-sector 4.2	84
	Adaptation Action 4.2.3	Support community-led wetland monitoring and conservation	Sub-sector 4.2	84
	Adaptation Action 4.2.4	Establish buffer zones to prevent encroachment	Sub-sector 4.2	84
	Adaptation Action 4.2.5	Promote ecotourism in Ramsar sites	Sub-sector 4.2	84
	Adaptation Action 4.2.6	Introduce wetland-compatible agriculture	Sub-sector 4.2	84
	Adaptation Action 4.2.7	Apply floodplain zoning to protect habitats	Sub-sector 4.2	84
	Adaptation Action 4.3.1	Establish marine protected areas (MPAs)	Sub-sector 4.3	84
	Adaptation Action 4.3.2	Enforce seasonal fishing bans	Sub-sector 4.3	84
	Adaptation Action 4.3.3	Reduce marine pollution via coastal waste management	Sub-sector 4.3	84
	Adaptation Action 4.3.4	Support sustainable artisanal fishing practices	Sub-sector 4.3	84
	Adaptation Action 4.3.5	Build capacity for biodiversity monitoring and research	Sub-sector 4.3	84

	Adaptation Action 4.3.6	Replant mangroves along coastal zones	Sub-sector 4.3	84
	Adaptation Action 4.3.7	Develop coastal green infrastructure (e.g., dunes, sea walls)	Sub-sector 4.3	84
	Adaptation Action 4.4.1	Rehabilitate riparian zones (e.g., Volta and Pra Rivers)	Sub-sector 4.4	85
	Adaptation Action 4.4.2	Remove invasive species like water hyacinths	Sub-sector 4.4	85
	Adaptation Action 4.4.3	Implement watershed management programs	Sub-sector 4.4	85
	Adaptation Action 4.4.4	Create biodiversity-rich artificial reservoirs	Sub-sector 4.4	85
	Adaptation Action 4.4.5	Promote integrated water resource management (IWRM)	Sub-sector 4.4	85
	Adaptation Action 4.4.6	Establish fish sanctuaries in key river habitats	Sub-sector 4.4	85
	Adaptation Action 4.4.7	Encourage ecotourism linked to biodiversity conservation	Sub-sector 4.4	85
	Adaptation Action 5.1.1	Upgrade health facilities to climate-resilient standards (e.g., flood-proofing, heat-resistant designs)	Sub-sector 5.1	88
	Adaptation Action 5.1.2	Integrate climate risk assessments into facility planning and maintenance	Sub-sector 5.1	88
	Adaptation Action 5.1.3	Enhance energy reliability through solar-powered systems for critical operations	Sub-sector 5.1	88
	Adaptation Action 5.1.4	Retrofit existing facilities to withstand extreme weather events	Sub-sector 5.1	88
	Adaptation Action 5.2.1	Conduct gender-sensitive training on climate-health risks (e.g., heat stress, vector-borne diseases)	Sub-sector 5.2	88
	Adaptation Action 5.2.2	Build capacity for emergency response to climate-induced health crises	Sub-sector 5.2	88
	Adaptation Action 5.2.3	Increase recruitment and deployment of health workers in climate-vulnerable areas	Sub-sector 5.2	88
	Adaptation Action 5.2.4	Develop training modules on climate-adaptive healthcare delivery	Sub-sector 5.2	88
	Adaptation Action 5.3.1	Develop a comprehensive HNAP M&E framework with climate-health indicators	Sub-sector 5.3	88
	Adaptation Action 5.3.2	Mainstream HNAP indicators into DHIMS2 and health M&E systems	Sub-sector 5.3	88
	Adaptation Action 5.3.3	Create and maintain an operational climate-health database	Sub-sector 5.3	88
	Adaptation Action 5.3.4	Establish reporting structures for sectoral, national, and international levels	Sub-sector 5.3	88
	Adaptation Action 5.3.5	Adopt digital tools for real-time monitoring of climate-health risks	Sub-sector 5.3	88
	Adaptation Action 5.3.6	Strengthen institutional capacity for M&E through training	Sub-sector 5.3	88
	Adaptation Action 6.1.1	Retrofitting adaptation measures in the Akosombo Dam	Sub-sector 6.1	91
	Adaptation Action 6.1.2	Natural flood adaptation of Bui dam	Sub-sector 6.1	91
	Adaptation Action 6.1.3	Coastal flood defense of thermal power plants in the Western region	Sub-sector 6.1	91
	Adaptation Action 6.1.4	Coastal flood protection of the Sunon-Asogli power plant	Sub-sector 6.1	91
	Adaptation Action 6.1.5	Safeguarding vulnerable substations against floods and landslides	Sub-sector 6.1	91
	Adaptation Action 6.1.6	Resilient cooling systems for thermal and solar plants	Sub-sector 6.1	91
	Adaptation Action 6.1.7	Resilient and green energy access in drought-prone districts	Sub-sector 6.1	91
	Adaptation Action 6.1.8	Capacity development and regulatory frameworks to support local renewable energy generation to enhance resilience of remote, vulnerable communities	Sub-sector 6.1	91
	Adaptation Action 6.1.9	Update energy sector design standards to incorporate climate adaptation risk	Sub-sector 6.1	91
	Adaptation Action 6.2.1	Natural flood adaptation of the Weija Dam through greening and vegetation along the Densu River	Sub-sector 6.2	91
	Adaptation Action 6.2.2	Flood resilience improvements to the Weija dam through release scheduling and spillway improvements	Sub-sector 6.2	91
	Adaptation Action 6.2.3	Natural restoration around Tono and Veia dams	Sub-sector 6.2	91
	Adaptation Action 6.2.4	Slope stabilization, forestation, and terracing at Barekese dam	Sub-sector 6.2	91
	Adaptation Action 6.2.5	Catchment-level water management in the Accra plains	Sub-sector 6.2	91
	Adaptation Action 6.2.6	Water supply resilience through regional harvesting and storage solutions	Sub-sector 6.2	91
	Adaptation Action 6.2.7	Climate adaptation alignment across water ministries and planning mechanisms to ensure integrated water resource management	Sub-sector 6.2	91
	Adaptation Action 6.2.8	Proactive risk-informed asset management	Sub-sector 6.2	91
	Adaptation Action 6.3.1	Urban drainage measures in Accra	Sub-sector 6.2	91
	Adaptation Action 6.3.2	Green recreative areas and riparian vegetation to protect exposed road and rail between urban centres	Sub-sector 6.3	92
	Adaptation Action 6.3.3	Built and natural coastal defense options for Tema Port	Sub-sector 6.3	92
	Adaptation Action 6.3.4	Natural and built slope stabilization measures along major highways	Sub-sector 6.3	92
	Adaptation Action 6.3.5	Airport flood resilience through elevation of runways and other vulnerable components	Sub-sector 6.3	92
	Adaptation Action 6.3.6	Bridges and underpasses to ensure community access to services	Sub-sector 6.3	92
	Adaptation Action 6.3.7	Nature-based adaptation through creation of intertidal habitat at Takoradi	Sub-sector 6.3	92
	Adaptation Action 6.3.8	Temporary barriers to protect railway lines during construction	Sub-sector 6.3	92
	Adaptation Action 6.3.9	Risk-informed, multi-modal transport master plan and investment plan	Sub-sector 6.3	92
	Adaptation Action 6.3.10	Supporting resilient design and construction of roads through research, capacity building, and the creation of a design manual	Sub-sector 6.3	92
	Adaptation Action 6.3.11	Climate-risk informed asset management system and operations and maintenance practices for roads	Sub-sector 6.3	92
	Adaptation Action 6.4.1	Upstream afforestation of the Volta River reservoir to build resilience to flood and drought	Sub-sector 6.4	92

	Adaptation Action 6.4.2	Sponge City measures to provide ecosystem-based urban adaptation to climate change	Sub-sector 6.4	92
	Adaptation Action 6.4.3	Consider human mobility strategies, including planned relocations, migration support, and reintegration to address climate-induced displacement effectively	Sub-sector 6.4	92
	Adaptation Action 6.4.4	Centralized climate-risk data management system	Sub-sector 6.4	92
	Adaptation Action 6.4.5	Risk-resilient land management system	Sub-sector 6.4	92
	Adaptation Action 6.4.6	Mainstream resilience through climate risk assessments and EPA permitting process and strengthen enforcement for all infrastructure projects	Sub-sector 6.4	92
	Adaptation Action 6.4.7	Gender mainstreaming in adaptation planning, implementation and management	Sub-sector 6.4	92
	Adaptation Action 6.4.8	Prioritize nature-based solutions in planning, design and operation of infrastructure	Sub-sector 6.4	92
	Adaptation Action 7.1.1	Institutionalize youth participation in adaptation governance: Establish youth representation on climate-related national and subnational platforms such as the Cross-Sectoral Planning Groups (CSPGs), District Planning Coordinating Units (DPCUs), and sectoral adaptation task teams	Sub-sector 7.1	94
	Adaptation Action 7.1.2	Develop youth-focused climate adaptation skills and livelihoods programmes: Support technical and vocational training institutions to integrate climate-smart agriculture, renewable energy, green construction, and disaster-risk management into their curricula. Expand youth entrepreneurship schemes to include green jobs, climate services, and ecosystem restoration enterprises.	Sub-sector 7.1	94
	Adaptation Action 7.1.3	Enhance youth access to climate finance resources: Allocate specific percentages of adaptation financing windows (e.g., GCF readiness, local climate funds, district climate budgets) to youth-led initiatives. Facilitate microcredit, grants, and guarantee schemes to enable young people, particularly young farmers to adopt climate-resilient technologies, efficient irrigation, and drought-resistant crops.	Sub-sector 7.1	94
	Adaptation Action 7.1.4	Strengthen youth capacity for climate risk awareness and early warning response: Integrate climate education into basic, secondary, and tertiary curricula, including practical modules on risk preparedness, health impacts, and adaptation technologies. Train youth groups as community climate information ambassadors to support dissemination of early warning messages, hazard monitoring, and community preparedness.	Sub-sector 7.1	94
	Adaptation Action 7.1.5	Empower youth in community-based adaptation and ecosystem management: Involve youth in afforestation, mangrove restoration, watershed protection, and plastic pollution management schemes through the Forestry Commission, EPA, and District Assemblies. Establish youth-led Environmental Stewardship Brigades to support local adaptation actions such as flood control, fire management, and climate-smart water conservation.	Sub-sector 7.1	94
	Adaptation Action 7.1.6	Leverage technology and innovation to drive youth-led adaptation: Support youth innovators through climate-tech accelerators, hackathons, and incubators centred on GIS mapping, climate data analytics, drought monitoring tools, and mobile extension services. Expand access to digital climate information platforms and provide capacity building for youth in remote and underserved communities.	Sub-sector 7.1	95
	Adaptation Action 7.1.7	Address youth-specific vulnerabilities in adaptation planning: Ensure that adaptation plans explicitly address youth challenges such as unemployment, migration, exposure to climate-related diseases, and disruptions to education. Incorporate mental health and psychosocial support services for youth affected by extreme weather events and displacement.	Sub-sector 7.1	95
	Adaptation Action 7.1.8	Promote inclusive youth engagement with attention to gender and marginalization: Ensure equitable participation of young women, young persons with disabilities, and rural youth in all adaptation activities. Provide dedicated support for girls' education, safe youth participation spaces, and targeted empowerment programmes in climate-vulnerable districts.	Sub-sector 7.1	95
	Adaptation Action 7.1.9	Strengthen youth-led research, innovation and knowledge generation: Support universities and youth research networks to conduct applied climate research, vulnerability assessments, and community-level adaptation diagnostics. Facilitate knowledge exchange between youth groups and local authorities, private sector, and traditional authorities.	Sub-sector 7.1	95
	Adaptation Action 7.1.10	Recognize youth as communication and advocacy partners: Collaborate with youth organizations to design and deliver behaviour-change communication, climate-health awareness, and disaster-risk education campaigns. Utilize social media, theatre productions, community radio, and digital storytelling platforms to amplify youth voices and highlight youth-led solutions.	Sub-sector 7.1	95
4	Districts			
	District 1	Aowin Municipal Assembly		99
	District 2	Asuogyaman District Assembly		104
	District 3	Ellembelle District Assembly		110
	District 4	Keta Municipal Assembly		114
	District 5	Kumasi Metropolitan Assembly		120
	District 6	Tema Metropolitan Assembly		127

	District 7	Wenchi Municipal Assembly		132
	District 8	West Mamprusi Municipal Assembly		139
	District 9	Sekondi-Takoradi Metropolitan Assembly		144
	District 10	Tamale Metropolitan Assembly		147
5	District Sectors			
	District Sector 1.1	Agriculture and Food Security	District 1	102
	District Sector 1.2	Community Health	District 1	102
	District Sector 1.3	Infrastructure and Human Settlement	District 1	103
	District Sector 1.4	Forestry and Biodiversity	District 1	103
	District Sector 1.5	Water Supply and Security	District 1	103
	District Sector 1.6	Gender Responsiveness in Adaptation Options	District 1	103
	District Sector 2.1	Agriculture	District 2	108
	District Sector 2.2	Gender	District 2	108
	District Sector 2.3	Water Resources	District 2	109
	District Sector 2.4	Health and Sanitation	District 2	109
	District Sector 2.5	Biodiversity	District 2	109
	District Sector 2.6	Disaster Risk and Infrastructure	District 2	109
	District Sector 3.1	Coastal Ecosystems and Fisheries	District 3	113
	District Sector 3.2	Agriculture and Food Security	District 3	113
	District Sector 3.3	Community Health	District 3	113
	District Sector 3.4	Water Resources	District 3	113
	District Sector 3.5	Infrastructure and Human Settlements	District 3	114
	District Sector 3.6	Gender Responsiveness in Adaptation Options	District 3	114
	District Sector 4.1	Agriculture	District 4	119
	District Sector 4.2	Fishing Industry	District 4	119
	District Sector 4.3	Health and Sanitation	District 4	119
	District Sector 4.4	Critical Infrastructure	District 4	120
	District Sector 4.5	Water Resources	District 4	120
	District Sector 4.6	Gender	District 4	120
	District Sector 5.1	Agriculture	District 5	124
	District Sector 5.2	Gender	District 5	125
	District Sector 5.3	Trade	District 5	125
	District Sector 5.4	Water and Sanitation	District 5	125
	District Sector 5.5	Health	District 5	126
	District Sector 5.6	Health Disaster Risk Reduction	District 5	126
	District Sector 6.1	Agriculture	District 6	130
	District Sector 6.2	Cities and Land Use	District 6	130
	District Sector 6.3	Disaster Risk Reduction and Transport	District 6	130
	District Sector 6.4	Health	District 6	131
	District Sector 6.5	Gender Mainstreaming	District 6	131
	District Sector 6.6	Water Resources	District 6	131
	District Sector 6.7	Fisheries	District 6	131
	District Sector 7.1	Agriculture	District 7	137
	District Sector 7.2	Biodiversity	District 7	138
	District Sector 7.3	Health	District 7	138
	District Sector 7.4	Cities and Infrastructure	District 7	138
	District Sector 7.5	Gender Mainstreaming	District 7	138
	District Sector 7.6	Water and Sanitation	District 7	139
	District Sector 7.7	Fisheries	District 7	139
	District Sector 8.1	Agriculture	District 8	142
	District Sector 8.2	Biodiversity and Ecosystem	District 8	142
	District Sector 8.3	Disaster Risk Reduction and Transport	District 8	142
	District Sector 8.4	Water Resources	District 8	142
	District Sector 8.5	Health	District 8	142
	District Sector 8.6	Gender	District 8	142

	District Sector 9.1	Energy	District 9	146
	District Sector 9.2	Water	District 9	146
	District Sector 9.3	Transport	District 9	146
	District Sector 9.4	Urban Planning	District 9	146
	District Sector 9.5	Health	District 9	147
	District Sector 9.6	Cross Sectoral	District 9	147
	District Sector 10.1	Transport	District 10	150
	District Sector 10.2	Agriculture	District 10	151
	District Sector 10.3	Urban Planning	District 10	151
	District Sector 10.4	Energy	District 10	151
	District Sector 10.5	Water	District 10	151
6	District Actions			
	District Action 1.1.1	Capacity-Building Workshops	District Sector 1.1	102
	District Action 1.1.2	Agroforestry Practices	District Sector 1.1	102
	District Action 1.1.3	Diversified Cropping Systems	District Sector 1.1	102
	District Action 1.1.4	Advanced Weather Forecasting Tools	District Sector 1.1	102
	District Action 1.1.5	Soil Conservation Measures	District Sector 1.1	102
	District Action 1.1.6	Irrigation and Atmospheric Water Harvesting	District Sector 1.1	102
	District Action 1.2.1	Watershed Restoration	District Sector 1.2	102
	District Action 1.2.2	Vector Control Technologies	District Sector 1.2	102
	District Action 1.2.3	Public Health Regulations	District Sector 1.2	102
	District Action 1.2.4	Community Education and Awareness Programs	District Sector 1.2	102
	District Action 1.2.5	Improved Sanitation Infrastructure	District Sector 1.2	102
	District Action 1.2.6	Water Treatment Systems	District Sector 1.2	102
	District Action 1.2.7	Flood Mitigation Infrastructure	District Sector 1.2	102
	District Action 1.2.8	Community Health Networks	District Sector 1.2	102
	District Action 1.3.1	Community Engagement and Awareness Programs	District Sector 1.3	103
	District Action 1.3.2	Green Infrastructure Development	District Sector 1.3	103
	District Action 1.3.3	Flood-Resilient Urban Planning	District Sector 1.3	103
	District Action 1.3.4	Retrofitting Existing Structures	District Sector 1.3	103
	District Action 1.3.5	Regular Maintenance and Infrastructure Audits	District Sector 1.3	103
	District Action 1.3.6	Infrastructure Upgrades and Reinforcement	District Sector 1.3	103
	District Action 1.3.7	Disaster Preparedness Training for Communities	District Sector 1.3	103
	District Action 1.4.1	Sustainable Forest Management Software	District Sector 1.4	103
	District Action 1.4.2	Afforestation and Forest Degradation Reduction	District Sector 1.4	103
	District Action 1.4.3	Controlled Logging Practices	District Sector 1.4	103
	District Action 1.4.4	Community Engagement and Education	District Sector 1.4	103
	District Action 1.4.5	Sustainable Tourism Development	District Sector 1.4	103
	District Action 1.5.1	Increase Access to Potable Water Supply	District Sector 1.5	103
	District Action 1.5.2	Community-Based Rainwater Harvesting Systems	District Sector 1.5	103
	District Action 1.5.3	Enhanced Water Purification and Safety Programs	District Sector 1.5	103
	District Action 1.5.4	Gender-Sensitive Water Management Training	District Sector 1.5	103
	District Action 1.5.5	Ensure Environmentally Sustainable Mining Activities	District Sector 1.5	103
	District Action 1.6.1	Community Health: Strengthen community health resilience through equitable healthcare services and preventive measures tailored to diverse needs, including women and the elderly	District Sector 1.6	103
	District Action 1.6.2	Infrastructure and Human Settlements: Build resilient infrastructure and settlements through eco-friendly construction, flood resilience projects, and inclusive land use planning.	District Sector 1.6	103
	District Action 1.6.3	Forestry and Biodiversity: Enhance biodiversity and support conservation through gender-inclusive strategies, fostering sustainable eco-tourism and local livelihoods.	District Sector 1.6	103
	District Action 1.6.4	Agriculture and Food Security: Strengthen agricultural resilience with gender-sensitive approaches addressing the specific needs of women, youth, differently abled, and elderly farmers.	District Sector 1.6	103
	District Action 1.6.5	Water Supply and Security: Improve water security and resilience through eco-friendly strategies like rainwater harvesting and accessible water facilities. (Ghana NAP, p. 103)	District Sector 1.6	103
	District Action 2.1.1	Encourage the adoption of more flexible cropping calendars that allow farmers to adjust their planting and harvesting times according to weather predictions and current climate conditions.	District Sector 2.1	108

	District Action 2.1.2	Climate-Resilient Agricultural Practices: Promote the use of drought-resistant crop varieties that can survive in lower water conditions, reducing the vulnerability of agricultural production to drought	District Sector 2.1	108
	District Action 2.1.3	Diversify crop systems through intercropping and agroforestry practices.	District Sector 2.1	108
	District Action 2.1.4	Encourage the adoption of more flexible cropping calendars that allow farmers to adjust their planting and harvesting times according to weather predictions and current climate conditions.	District Sector 2.1	108
	District Action 2.1.5	Implement soil conservation techniques such as mulching, use of cover crops, and reduced tillage to improve water retention and soil fertility	District Sector 2.1	108
	District Action 2.1.6	Develop and support alternative livelihood programs such as aquaculture, small-scale agriculture, or eco-tourism.	District Sector 2.1	108
	District Action 2.1.7	Conduct regular training and workshops for local fishers on adaptive fishing methods, sustainable fishing practices, and water management	District Sector 2.1	108
	District Action 2.1.8	Plant trees and other vegetation along the shores of rivers and the lake to create natural buffer zones	District Sector 2.1	108
	District Action 2.2.1	Integrate climate change education into the school curriculum to teach children about the causes, effects, and adaptation strategies related to climate change	District Sector 2.2	108
	District Action 2.2.2	Implement systems at community and household levels to collect and store rainwater	District Sector 2.2	108
	District Action 2.2.3	Improve access to healthcare with mobile clinics and community health workers who can reach remote areas, ensuring women and men have equal access to health services, including those related to climate-induced health risks	District Sector 2.2	108
	District Action 2.2.4	Implement school-based nutrition programs that provide meals fortified with essential nutrients to combat malnutrition, exacerbated by crop failures due to erratic weather patterns	District Sector 2.2	108
	District Action 2.3.1	Develop a comprehensive water management framework that involves all stakeholders, including local communities, industries, and agricultural sectors, in managing water resources holistically.	District Sector 2.3	109
	District Action 2.3.2	Explore alternative water sources such as groundwater, where feasible, to reduce dependency on surface water.	District Sector 2.3	109
	District Action 2.3.3	Promote rainwater harvesting in communities to increase water storage capacity.	District Sector 2.3	109
	District Action 2.3.4	Build additional reservoirs, improve dam facilities.	District Sector 2.3	109
	District Action 2.3.5	Implement stricter pollution control measures, restore wetlands that naturally filter pollutants, and manage agricultural runoff to reduce nutrient loads entering water bodies	District Sector 2.3	109
	District Action 2.3.6	Strengthen and upgrade water infrastructure to withstand extreme weather events, such as reinforcing embankments, enhancing flood defences, and using more durable materials for water transport and storage systems	District Sector 2.3	109
	District Action 2.4.1	Improve and maintain access routes to healthcare facilities to ensure they remain accessible during emergencies.	District Sector 2.4	109
	District Action 2.4.2	Conduct continuous public health education campaigns focusing on hygiene practices, especially during climate-induced emergencies like floods and droughts	District Sector 2.4	109
	District Action 2.4.3	Establish mobile health units to reach remote areas quickly during outbreaks	District Sector 2.4	109
	District Action 2.5.1	Empower local communities to manage and protect their natural resources through participatory approaches.	District Sector 2.5	109
	District Action 2.5.2	Encourage local communities to participate in habitat restoration projects, such as tree planting and wetland restoration	District Sector 2.5	109
	District Action 2.5.3	Remote Sensing and GIS: Implement remote sensing technologies and Geographic Information Systems (GIS) to monitor changes in habitat quality, water availability, and biodiversity in real time. This data can inform timely interventions and adaptive management strategies.	District Sector 2.5	109
	District Action 2.5.4	Establish community conservation areas where locals have the authority and responsibility to enforce conservation rules and practices	District Sector 2.5	109
	District Action 2.6.1	Encourage tree planting to act as windbreaks to reduce the wind speed and mitigate its impact	District Sector 2.6	109
	District Action 2.6.2	Educate the community on emergency preparedness for flooding, including safe shelters and necessary precautions during severe weather.	District Sector 2.6	109
	District Action 2.6.3	Implement an advanced early warning system that can alert communities to flooding or severe weather conditions. Enhance local disaster response capacities	District Sector 2.6	109
	District Action 3.1.1	Implementation of Closed Seasons and Enforcement of No Fishing Days	District Sector 3.1	113
	District Action 3.1.2	Mangrove Reforestation Plan	District Sector 3.1	113
	District Action 3.1.3	Community Sensitization Programs	District Sector 3.1	113
	District Action 3.1.4	Integrated Coastal Zone Management (ICZM)	District Sector 3.1	113
	District Action 3.1.5	Sustainable Fisheries Management Program	District Sector 3.1	113
	District Action 3.1.6	Disaster Preparedness and Response Training	District Sector 3.1	113
	District Action 3.1.7	Promotion of Sustainable Agroforestry	District Sector 3.1	113
	District Action 3.1.8	Infrastructure Maintenance and Retrofitting	District Sector 3.1	113
	District Action 3.1.9	Flood Management Measures	District Sector 3.1	113
	District Action 3.2.1	Implementation of Climate-Smart Agriculture (CSA)	District Sector 3.2	113

	District Action 3.2.2	Soil Conservation Measures	District Sector 3.2	113
	District Action 3.2.3	Agroforestry	District Sector 3.2	113
	District Action 3.2.4	Enhanced Weather Forecasting	District Sector 3.2	113
	District Action 3.3.1	Enhanced Water and Sanitation Infrastructure	District Sector 3.3	113
	District Action 3.3.2	Public Health Campaigns	District Sector 3.3	113
	District Action 3.3.3	Infrastructure Resilience Against Flooding	District Sector 3.3	113
	District Action 3.3.4	Innovative Health Monitoring Technologies	District Sector 3.3	113
	District Action 3.3.5	Strengthening Community Health Networks	District Sector 3.3	113
	District Action 3.4.1	Community-Based Rainwater Harvesting	District Sector 3.4	113
	District Action 3.4.2	Enhanced Water Storage Facilities	District Sector 3.4	113
	District Action 3.4.3	Robust Water Quality Monitoring Programs	District Sector 3.4	113
	District Action 3.4.4	Community Engagement in Water Monitoring	District Sector 3.4	113
	District Action 3.4.5	Water-Efficient Agricultural Practices	District Sector 3.4	113
	District Action 3.4.6	Water Recycling in Urban and Industrial Sectors	District Sector 3.4	113
	District Action 3.5.1	Climate-Resilient Construction	District Sector 3.5	114
	District Action 3.5.2	Flood Management Measures	District Sector 3.5	114
	District Action 3.5.3	Land Use Planning	District Sector 3.5	114
	District Action 3.5.4	Reforestation and Green Buffers	District Sector 3.5	114
	District Action 3.5.5	Infrastructure Maintenance and Retrofitting	District Sector 3.5	114
	District Action 3.6.1	Enhance resilience of coastal ecosystems and fisheries through gender-responsive strategies, promoting diversified livelihoods and conservation.	District Sector 3.6	114
	District Action 3.6.2	Strengthen agricultural resilience with gender-sensitive approaches addressing the specific needs of women, youth, differently abled, and elderly farmers.	District Sector 3.6	114
	District Action 3.6.3	Strengthen community health resilience through equitable healthcare services and preventive measures tailored to diverse needs, including women and the elderly.	District Sector 3.6	114
	District Action 3.6.4	Improve water security and sustainability through gender-responsive strategies like rainwater harvesting and accessible water facilities.	District Sector 3.6	114
	District Action 3.6.5	Build resilient infrastructure and settlements through eco-friendly construction, flood resilience projects, and inclusive land use planning	District Sector 3.6	114
	District Action 4.1.1	Diversification of Livelihoods	District Sector 4.1	119
	District Action 4.1.2	Organic Mulching for Soil Improvement	District Sector 4.1	119
	District Action 4.1.3	Research & Development on Resilient Crop Varieties	District Sector 4.1	119
	District Action 4.1.4	Implementation of Irrigation Systems	District Sector 4.1	119
	District Action 4.1.5	Improved Vegetable Cultivation Practices	District Sector 4.1	119
	District Action 4.1.6	Upgrade Weather Forecasting Infrastructure	District Sector 4.1	119
	District Action 4.1.7	Improving Farmers' Access to Climate-Related Information	District Sector 4.1	119
	District Action 4.1.8	Promotion of Climate-Resilient Agriculture	District Sector 4.1	119
	District Action 4.1.9	Development of Early Warning and Response Mechanisms	District Sector 4.1	119
	District Action 4.2.1	Effective Regulations and Local Enforcement of By-Laws	District Sector 4.2	119
	District Action 4.2.2	Mangrove and Wetland Rehabilitation	District Sector 4.2	119
	District Action 4.2.3	Diversification of Livelihoods	District Sector 4.2	119
	District Action 4.2.4	Phasing Out or Improving Unsustainable Fishing Methods	District Sector 4.2	119
	District Action 4.2.5	Financial Assistance Programs	District Sector 4.2	119
	District Action 4.2.6	Promotion of Sustainable Aquaculture Development	District Sector 4.2	119
	District Action 4.3.1	Improve Early Warning and Response Mechanisms	District Sector 4.3	119
	District Action 4.3.2	Restoring Wetlands and Floodplains	District Sector 4.3	119
	District Action 4.3.3	Public Health Education Campaigns	District Sector 4.3	119
	District Action 4.3.4	Enforcement of Public Health Regulations	District Sector 4.3	119
	District Action 4.3.5	Redesign and Resilience of Sanitation Infrastructure	District Sector 4.3	119
	District Action 4.3.6	Development and Strengthening of Health Facilities	District Sector 4.3	119
	District Action 4.3.7	Expansion of Drainage Systems	District Sector 4.3	119
	District Action 4.4.1	Extension and Elevation of the Sea Defence Wall	District Sector 4.4	120
	District Action 4.4.2	Construction and Rehabilitation of Resilient Market Structures and Schools	District Sector 4.4	120
	District Action 4.4.3	Community Engagement and Awareness Programs	District Sector 4.4	120
	District Action 4.4.4	Construction and Expansion of Drainage Systems	District Sector 4.4	120

	District Action 4.4.5	Enhancement of Berms with Salt-Tolerant Vegetation	District Sector 4.4	120
	District Action 4.4.6	Infrastructure Audit and Reinforcement	District Sector 4.4	120
	District Action 4.4.7	Inspection and Maintenance of Infrastructure	District Sector 4.4	120
	District Action 4.4.8	Implementation of New Architectural Designs and Building Codes	District Sector 4.4	120
	District Action 4.5.1	Promote Rainwater Harvesting Systems	District Sector 4.5	120
	District Action 4.5.2	Restore Natural Drainage Systems	District Sector 4.5	120
	District Action 4.5.3	Inter-Agency Coordination for Water Management	District Sector 4.5	120
	District Action 4.5.4	Community Education and Involvement	District Sector 4.5	120
	District Action 4.5.5	Monitor and Improve Water Quality and Salinity Control	District Sector 4.5	120
	District Action 4.5.6	Manage Water Levels and Address Lagoon Siltation	District Sector 4.5	120
	District Action 4.5.7	Expansion of Mechanized Boreholes	District Sector 4.5	120
	District Action 4.5.8	Development and Upgrading of Small-Town Water Systems	District Sector 4.5	120
	District Action 4.6.1	Women's Sustainable Livelihood Programs	District Sector 4.6	120
	District Action 4.6.2	Supporting Women's Climate Resilience	District Sector 4.6	120
	District Action 4.6.3	Climate Educational Programs for Heat Stress Management	District Sector 4.6	120
	District Action 4.6.4	Gender Mainstreaming in Disaster Risk Reduction	District Sector 4.6	120
	District Action 4.6.5	Enhancing Healthcare Access for Pregnant Women	District Sector 4.6	120
	District Action 4.6.6	Incorporating Native Tree Planting	District Sector 4.6	120
	District Action 5.1.1	Promotion of farming practices to restore degraded ecosystems	District Sector 5.1	124
	District Action 5.1.2	Creation of green space	District Sector 5.1	124
	District Action 5.1.3	Provision of technical services to farmers	District Sector 5.1	124
	District Action 5.1.4	Provision of knowledge and skills to farmers	District Sector 5.1	124
	District Action 5.1.5	Enhancement of Biodiversity	District Sector 5.1	124
	District Action 5.1.6	Planting of drought-resistant varieties of crops	District Sector 5.1	124
	District Action 5.1.7	Use of Integrated Pest Management Strategies	District Sector 5.1	124
	District Action 5.1.8	Use of improved agricultural technology and CSA practices	District Sector 5.1	124
	District Action 5.1.9	Access to agricultural credits	District Sector 5.1	124
	District Action 5.1.10	Supporting agro-based development	District Sector 5.1	124
	District Action 5.1.11	Use of drip or sprinkler irrigation	District Sector 5.1	124
	District Action 5.1.12	Access to weather and climate information	District Sector 5.1	124
	District Action 5.1.13	Adherence to land use planning	District Sector 5.1	124
	District Action 5.1.14	Livelihood diversification	District Sector 5.1	124
	District Action 5.1.15	Investment in climate-resilient infrastructure	District Sector 5.1	124
	District Action 5.1.16	Adjustment of farming schedules to align with changing climate patterns	District Sector 5.1	124
	District Action 5.1.17	Promotion of vertical gardening techniques	District Sector 5.1	124
	District Action 5.2.1	Investing in gendered tree planting and agroforestry practices in the metropolis	District Sector 5.2	125
	District Action 5.2.2	Implementing locally based projects to benefit vulnerable groups	District Sector 5.2	125
	District Action 5.2.3	Promotion of women-led small businesses	District Sector 5.2	125
	District Action 5.2.4	Promoting gendered climate change policy framework in the metropolis	District Sector 5.2	125
	District Action 5.2.5	Incorporating gender-specific indicators to monitor and evaluate climate adaptation strategies	District Sector 5.2	125
	District Action 5.2.6	Access to capital resources	District Sector 5.2	125
	District Action 5.2.7	Promoting gender-based research in climate change study	District Sector 5.2	125
	District Action 5.2.8	Access to credits	District Sector 5.2	125
	District Action 5.2.9	Investing in solar energy to promote entrepreneurs in the metropolis	District Sector 5.2	125
	District Action 5.3.1	Green financing options to support businesses in adopting climate-resilient strategies	District Sector 5.3	125
	District Action 5.3.2	Public-Private Partnerships (PPPs)	District Sector 5.3	125
	District Action 5.3.3	Implementing strategies to enhance the city's resilience to climate change	District Sector 5.3	125
	District Action 5.3.4	Promoting energy-efficient appliances and climate-smart agricultural products	District Sector 5.3	125
	District Action 5.3.5	Policies that support businesses in adapting to climate change	District Sector 5.3	125
	District Action 5.3.6	Enforcing regulations that promote trade development	District Sector 5.3	125
	District Action 5.3.7	Trading climate-resilient products	District Sector 5.3	125
	District Action 5.3.8	Diversifying supply chains to reduce dependency on climate-sensitive sectors	District Sector 5.3	125
	District Action 5.4.1	Planting trees along waterways	District Sector 5.4	125
	District Action 5.4.2	Enforcing by-laws to prevent water pollution	District Sector 5.4	125
	District Action 5.4.3	Investing in the establishment of water and sanitation infrastructure in the face of climate and weather changes	District Sector 5.4	125

	District Action 5.4.4	Proper waste management	District Sector 5.4	125
	District Action 5.4.5	Desilting	District Sector 5.4	125
	District Action 5.4.6	Investing in wetlands infrastructure for the metropolis wastewater management	District Sector 5.4	125
	District Action 5.4.7	Investing in rainwater harvesting in the metropolis	District Sector 5.4	125
	District Action 5.5.1	Mainstreaming climate change risks into metropolis health sector policies framing	District Sector 5.5	126
	District Action 5.5.2	Installing solar energy in health facilities	District Sector 5.5	126
	District Action 5.5.3	Incorporating climate change in health education	District Sector 5.5	126
	District Action 5.5.4	Creating community awareness of climate risks impacts on their health	District Sector 5.5	126
	District Action 5.5.5	Proper waste management practices	District Sector 5.5	126
	District Action 5.5.6	Desilting	District Sector 5.5	126
	District Action 5.5.7	Encourage behavioural change	District Sector 5.5	126
	District Action 5.5.8	Promote climate-smart health practices	District Sector 5.5	126
	District Action 5.5.9	Promote flood control mechanisms	District Sector 5.5	126
	District Action 5.5.10	Boost health systems to counteract climate-related diseases	District Sector 5.5	126
	District Action 5.5.11	Cultivating medicinal plants in the communities	District Sector 5.5	126
	District Action 5.6.1	Integrating Disaster risk reduction and climate change adaptation strategies into development planning with the metropolis	District Sector 5.6	126
	District Action 5.6.2	Involving citizens within the metropolis in climate risk assessment and planning process	District Sector 5.6	126
	District Action 5.6.3	Building the capacity of personnel to address climate risks	District Sector 5.6	126
	District Action 5.6.4	Implementing measures to protect and restore ecosystems or vegetation	District Sector 5.6	126
	District Action 5.6.5	Planting of trees along the banks of waterbodies in flood-prone areas	District Sector 5.6	126
	District Action 5.6.6	Creation of green spaces	District Sector 5.6	126
	District Action 5.6.7	Developing and implementing early warning systems for extreme climate events	District Sector 5.6	126
	District Action 5.6.8	Establishing community emergency response teams to counter basic disasters in the metropolis	District Sector 5.6	126
	District Action 5.6.9	Proper waste management	District Sector 5.6	126
	District Action 5.6.10	Constructing of rain gardens in flood-prone areas	District Sector 5.6	126
	District Action 5.6.11	Enhancing the resilience of critical infrastructure to withstand extreme climate/weather events	District Sector 5.6	126
	District Action 5.6.12	Adherence to building codes	District Sector 5.6	126
	District Action 5.6.13	Desilting	District Sector 5.6	126
	District Action 5.6.14	Establishing bioswales to capture stormwater runoff	District Sector 5.6	126
	District Action 6.1.1	Conservation Agriculture	District Sector 6.1	130
	District Action 6.1.2	Early warning and response mechanisms	District Sector 6.1	130
	District Action 6.1.3	Diversification of livelihoods	District Sector 6.1	130
	District Action 6.1.4	Irrigation systems	District Sector 6.1	130
	District Action 6.1.5	Agroforestry	District Sector 6.1	130
	District Action 6.1.6	Use Climate Resilient Crop Varieties	District Sector 6.1	130
	District Action 6.1.7	Sensitization and training	District Sector 6.1	130
	District Action 6.1.8	Afforestation	District Sector 6.1	130
	District Action 6.2.1	Construction of Improved Drainage Systems	District Sector 6.2	130
	District Action 6.2.2	Improve zoning laws	District Sector 6.2	130
	District Action 6.2.3	Early Warning and Response Mechanisms	District Sector 6.2	130
	District Action 6.2.4	Improved Infrastructure	District Sector 6.2	130
	District Action 6.2.5	Provision of accommodation	District Sector 6.2	130
	District Action 6.2.6	Wetlands restoration	District Sector 6.2	130
	District Action 6.2.7	Strict enforcement of by-laws	District Sector 6.2	130
	District Action 6.3.1	Water Conservation Practices	District Sector 6.3	130
	District Action 6.3.2	Afforestation	District Sector 6.3	130
	District Action 6.3.3	Community Engagement and Awareness	District Sector 6.3	130
	District Action 6.3.4	Early Warning and Response Mechanisms	District Sector 6.3	130
	District Action 6.3.5	Expansion of Drainage Systems	District Sector 6.3	130
	District Action 6.3.6	Relocation	District Sector 6.3	130
	District Action 6.3.7	Construction of Improved Drainage Systems	District Sector 6.3	130
	District Action 6.4.1	Public Health Regulations	District Sector 6.4	131
	District Action 6.4.2	Construct and improve infrastructure	District Sector 6.4	131
	District Action 6.4.3	Public Health Education Campaigns	District Sector 6.4	131

	District Action 6.4.4	Afforestation	District Sector 6.4	131
	District Action 6.4.5	Early warning systems	District Sector 6.4	131
	District Action 6.4.6	Mangrove restoration	District Sector 6.4	131
	District Action 6.4.7	Air quality monitoring	District Sector 6.4	131
	District Action 6.5.1	Climate Education programmes	District Sector 6.5	131
	District Action 6.5.2	Sustainable livelihood programmes	District Sector 6.5	131
	District Action 6.5.3	Diversification of livelihoods	District Sector 6.5	131
	District Action 6.5.4	Improved fish smoking Infrastructure	District Sector 6.5	131
	District Action 6.5.5	Gender Mainstreaming in Action Plans	District Sector 6.5	131
	District Action 6.5.6	Provision of relief items	District Sector 6.5	131
	District Action 6.5.7	Nature-base solution	District Sector 6.5	131
	District Action 6.6.1	Enforce building regulations	District Sector 6.6	131
	District Action 6.6.2	Water quality monitoring	District Sector 6.6	131
	District Action 6.6.3	Community Education and involvement	District Sector 6.6	131
	District Action 6.6.4	Construct and Improve Infrastructure	District Sector 6.6	131
	District Action 6.6.5	Practice Afforestation	District Sector 6.6	131
	District Action 6.7.1	Enforcement of urban planning and land use by-laws	District Sector 6.7	131
	District Action 6.7.2	Educational Programs	District Sector 6.7	131
	District Action 6.7.3	Early Warning and Response Mechanisms	District Sector 6.7	131
	District Action 6.7.4	Using indigenous technology to bolster and reinforce resilient housing structure	District Sector 6.7	131
	District Action 7.1.1	Crop diversification	District Sector 7.1	137
	District Action 7.1.2	Mulching	District Sector 7.1	137
	District Action 7.1.3	Agroforestry	District Sector 7.1	137
	District Action 7.1.4	Access to weather forecasts and early warnings	District Sector 7.1	137
	District Action 7.1.5	Use of climate-smart agricultural practices	District Sector 7.1	137
	District Action 7.1.6	Strengthening the capacity of agricultural extension officers	District Sector 7.1	137
	District Action 7.1.7	Promote the availability of machinery	District Sector 7.1	137
	District Action 7.1.8	Use of improved seeds	District Sector 7.1	137
	District Action 7.1.9	Establishment of agricultural mechanization service provision	District Sector 7.1	137
	District Action 7.1.10	Adoption of drip irrigation	District Sector 7.1	137
	District Action 7.1.11	Rainwater harvesting	District Sector 7.1	137
	District Action 7.2.1	Climate-smart practices	District Sector 7.2	138
	District Action 7.2.2	Diversifying crops	District Sector 7.2	138
	District Action 7.2.3	Developing and supporting community-based programs	District Sector 7.2	138
	District Action 7.2.4	Restoration of degraded ecosystem	District Sector 7.2	138
	District Action 7.2.5	Establishment of corridors and buffer ecological zones	District Sector 7.2	138
	District Action 7.2.6	Tree planting	District Sector 7.2	138
	District Action 7.2.7	Implementation of camera trap monitoring programs	District Sector 7.2	138
	District Action 7.3.1	National health control initiatives	District Sector 7.3	138
	District Action 7.3.2	Continued education of local communities	District Sector 7.3	138
	District Action 7.3.3	Development and implementation of public awareness campaigns	District Sector 7.3	138
	District Action 7.3.4	Creating urban green space	District Sector 7.3	138
	District Action 7.3.5	Upgrading health facilities	District Sector 7.3	138
	District Action 7.3.6	Investing in telemedicine infrastructures	District Sector 7.3	138
	District Action 7.3.7	Upgrading sewage systems and promoting proper waste management	District Sector 7.3	138
	District Action 7.4.1	Revising building codes to incorporate climate change	District Sector 7.4	138
	District Action 7.4.2	Integration of infrastructure elements into urban planning	District Sector 7.4	138
	District Action 7.4.3	Conducting climate risk assessment	District Sector 7.4	138
	District Action 7.4.4	Incorporating climate considerations into urban planning	District Sector 7.4	138
	District Action 7.4.5	Upgrading and maintaining the drainage system	District Sector 7.4	138
	District Action 7.4.6	Collaborating with landscape architects and environmental NGOs	District Sector 7.4	138
	District Action 7.5.1	Integrating gender considerations into all climate change adaptations	District Sector 7.5	138
	District Action 7.5.2	Developing disaster management plans that are gender-responsive	District Sector 7.5	138
	District Action 7.5.3	Integrating climate change education in school curricula	District Sector 7.5	138
	District Action 7.5.4	Disseminating weather forecasts and information	District Sector 7.5	138

	District Action 7.5.5	Training programs and resources focused on women	District Sector 7.5	138
	District Action 7.5.6	Integrating gender considerations into urban planning	District Sector 7.5	138
	District Action 7.5.7	Supporting women entrepreneurs	District Sector 7.5	138
	District Action 7.5.8	Women's land rights and reforms	District Sector 7.5	138
	District Action 7.6.1	Investing in repairing and upgrading in existing water infrastructure	District Sector 7.6	139
	District Action 7.6.2	Strengthening public awareness of water and sanitation	District Sector 7.6	139
	District Action 7.6.3	Proper management of water and waste	District Sector 7.6	139
	District Action 7.6.4	Improved vegetation	District Sector 7.6	139
	District Action 7.6.5	Desilting of gutters	District Sector 7.6	139
	District Action 7.6.6	Rainwater harvesting systems	District Sector 7.6	139
	District Action 7.6.7	Establishment of riparian buffer zones	District Sector 7.6	139
	District Action 7.6.8	Recycling of plastic waste	District Sector 7.6	139
	District Action 7.6.9	Installation of green roofs and walls on buildings	District Sector 7.6	139
	District Action 7.6.10	Upgrading and maintaining water harvest techniques	District Sector 7.6	139
	District Action 7.7.1	Enforcement of urban planning and land use by-laws	District Sector 7.7	139
	District Action 7.7.2	Educational Programs	District Sector 7.7	139
	District Action 7.7.3	Early Warning and Response Mechanisms	District Sector 7.7	139
	District Action 7.7.4	Using indigenous technology to bolster and reinforce resilient housing structure	District Sector 7.7	139
	District Action 8.1.1	Conservation agriculture practices including CSA	District Sector 8.1	142
	District Action 8.1.2	Early warning and response mechanisms	District Sector 8.1	142
	District Action 8.1.3	Diversification of livelihoods	District Sector 8.1	142
	District Action 8.1.4	Irrigation systems	District Sector 8.1	142
	District Action 8.1.5	Improved agricultural production technologies	District Sector 8.1	142
	District Action 8.1.6	Planting of drought-resistant varieties of crops	District Sector 8.1	142
	District Action 8.1.7	Climate resilient agriculture on adaptive farming techniques and climate-smart agriculture	District Sector 8.1	142
	District Action 8.2.1	Community-based management through anti-Bushfire law enforcement, and public sensitization	District Sector 8.2	142
	District Action 8.2.2	Afforestation	District Sector 8.2	142
	District Action 8.2.3	Formation of disaster volunteer groups	District Sector 8.2	142
	District Action 8.2.4	Create Protected areas	District Sector 8.2	142
	District Action 8.2.5	Diversification of Livelihoods	District Sector 8.2	142
	District Action 8.3.1	Protection of water bodies	District Sector 8.3	143
	District Action 8.3.2	Formation of disaster information groups	District Sector 8.3	143
	District Action 8.3.3	Community engagement on sensitization and awareness campaigns on disasters and information from early warning systems	District Sector 8.3	143
	District Action 8.3.4	Provide incentives and support for NADMO officials	District Sector 8.3	143
	District Action 8.3.5	Construct and improve infrastructure and drainage system	District Sector 8.3	143
	District Action 8.3.6	Resettlement of flood prone communities	District Sector 8.3	143
	District Action 8.3.7	Protection of roads / infrastructure by planting trees by the roadside to improve surface water retention	District Sector 8.3	143
	District Action 8.3.8	Establishing community emergency response teams to counter basic disasters in the metropolis	District Sector 8.3	143
	District Action 8.4.1	Increase access to potable water	District Sector 8.4	143
	District Action 8.4.2	Enforce building regulations	District Sector 8.4	143
	District Action 8.4.3	Protection of Water bodies by creating buffer zones along rivers to protect water quality and reduce erosion and to reduce disaster risks during flooding	District Sector 8.4	143
	District Action 8.4.4	Community Education	District Sector 8.4	143
	District Action 8.4.5	Construct dams and Improve Infrastructure	District Sector 8.4	143
	District Action 8.4.6	Afforestation	District Sector 8.4	143
	District Action 8.5.1	Enhance and enforce Public Health Regulations	District Sector 8.5	143
	District Action 8.5.2	Construct and Improve Infrastructure	District Sector 8.5	143
	District Action 8.5.3	Public Health Education Campaigns	District Sector 8.5	143
	District Action 8.5.4	Afforestation	District Sector 8.5	143
	District Action 8.5.5	Use heat resilient gadgets e.g. fans, air conditions, etc	District Sector 8.5	143
	District Action 8.6.1	Climate Education programmes	District Sector 8.6	143
	District Action 8.6.2	Sustainable livelihood programmes	District Sector 8.6	143
	District Action 8.6.3	Diversification of livelihood	District Sector 8.6	143

	District Action 8.6.4	Improved Infrastructure such as installation of solar-powered water pumping and borehole systems in communities to reduce drudgery for women	District Sector 8.6	143
	District Action 9.1.1	Coastal flood defence of thermal power plants in the Western region	District Sector 9.1	146
	District Action 9.1.2	Safeguarding vulnerable substations against floods and landslides	District Sector 9.1	146
	District Action 9.1.3	Capacity development and regulatory frameworks to support local renewable energy generation to enhance resilience of remote, vulnerable communities	District Sector 9.1	146
	District Action 9.1.4	Update energy sector design standards to incorporate climate adaptation risk	District Sector 9.1	146
	District Action 9.2.1	Water supply resilience through regional harvesting and storage solutions	District Sector 9.2	146
	District Action 9.2.2	Climate adaptation alignment across water ministries and planning mechanisms to ensure integrated water resource management	District Sector 9.2	146
	District Action 9.2.3	Proactive risk-informed asset management	District Sector 9.2	146
	District Action 9.3.1	Airport flood resilience through elevation of runways and other vulnerable components	District Sector 9.3	146
	District Action 9.3.2	Bridges and underpasses to ensure community access to services	District Sector 9.3	146
	District Action 9.3.3	Nature-based adaptation through creation of intertidal habitat at Takoradi	District Sector 9.3	146
	District Action 9.3.4	Supporting resilient design and construction of roads through research, capacity building, and the creation of a design manual.	District Sector 9.3	146
	District Action 9.3.5	Climate-risk informed asset management system and operations and maintenance practices for roads	District Sector 9.3	146
	District Action 9.4.1	Review and update the 2005 Drainage Master Plan	District Sector 9.4	146
	District Action 9.4.2	Coordination among the various government departments both vertically and horizontally as well as linking to other programmes such as West Africa Coastal Areas Management Program (WACA).	District Sector 9.4	146
	District Action 9.4.3	Develop, broadcast, and enforce zoning guidelines or other local regulations, to ensure encroachment on flood prone areas is avoided	District Sector 9.4	146
	District Action 9.5.1	Enhance and enforce Public Health Regulations	District Sector 9.5	147
	District Action 9.5.2	Construct and Improve Infrastructure	District Sector 9.5	147
	District Action 9.5.3	Public Health Education Campaigns	District Sector 9.5	147
	District Action 9.5.4	Afforestation	District Sector 9.5	147
	District Action 9.5.5	Use heat resilient gadgets e.g. fans, air conditions, etc	District Sector 9.5	147
	District Action 9.6.1	Sponge City measures to provide ecosystem-based urban adaptation to climate change	District Sector 9.6	147
	District Action 9.6.2	Centralised climate-risk data management system	District Sector 9.6	147
	District Action 9.6.3	Risk-resilient land management system	District Sector 9.6	147
	District Action 9.6.4	Mainstream resilience through climate risk assessments and EPA permitting process and strengthen enforcement for all infrastructure projects	District Sector 9.6	147
	District Action 9.6.5	Gender mainstreaming in adaptation planning, implementation and management	District Sector 9.6	147
	District Action 9.6.6	Prioritise nature-based solutions in planning, design and operation of infrastructure	District Sector 9.6	147
	District Action 9.6.7	Ecosystem based adaptation to address coastal erosion risks	District Sector 9.6	147
	District Action 10.1.1	Supporting resilient design and construction of roads through research, capacity building, and the creation of a design manual	District Sector 10.1	150
	District Action 10.1.2	Climate risk-informed asset management system and operations and maintenance practices for roads	District Sector 10.1	150
	District Action 10.1.3	Airport flood resilience through elevation of runways and other vulnerable components	District Sector 10.1	150
	District Action 10.1.4	Bridges and underpasses to ensure community access to services	District Sector 10.1	150
	District Action 10.2.1	Ensure affordability and financial sustainability of crop and livestock insurance products such as weather index insurance.	District Sector 10.2	151
	District Action 10.2.2	Invest in improved post-harvest management systems.	District Sector 10.2	151
	District Action 10.2.3	Improve water management and explore potential for irrigation upscaling, including by upscaling the use of solar irrigation.	District Sector 10.2	151
	District Action 10.2.4	Facilitate setting up of rainwater harvesting structures for small-scale irrigation by building on existing maps, to identify potential areas for groundwater development for small-scale irrigation.	District Sector 10.2	151
	District Action 10.2.5	Increase investment in local breeding of improved crop varieties and improve dissemination of higher quality/robust seeds.	District Sector 10.2	151
	District Action 10.2.6	Improve land and soil management strategies, including integrated soil fertility management to reduce erosion and degradation of soils	District Sector 10.2	151
	District Action 10.3.1	Develop an overall drainage plan that is consistent with the Greater Tamale Structure Plan and that identifies the low-lying areas and the locations of outfalls and main drains, and considers future population and land use	District Sector 10.3	151
	District Action 10.3.2	Develop, broadcast, and enforce zoning guidelines or other local regulations, to ensure encroachment on flood prone areas is avoided	District Sector 10.3	151

	District Action 10.4.1	Resilient and green energy access in drought-prone districts	District Sector 10.4	151
	District Action 10.4.2	Capacity development and regulatory frameworks to support local renewable energy generation, including solar energy, to enhance resilience of remote, vulnerable communities	District Sector 10.4	151
	District Action 10.4.3	Update energy sector design standards to incorporate climate adaptation risk	District Sector 10.4	151
	District Action 10.5.1	Water supply resilience through regional harvesting and storage solutions	District Sector 10.5	151
	District Action 10.5.2	Climate adaptation alignment across water ministries, and planning mechanisms to ensure integrated water resource management	District Sector 10.5	151
	District Action 10.5.3	Proactive risk-informed asset management	District Sector 10.5	151
4	Sustainability Strategy Pillars			
	Pillar 1	Institutional Sustainability		180
	Pillar 2	Financial Sustainability		181
	Pillar 3	Policy and Regulatory Integration		181
	Pillar 4	Capacity Strengthening		181
	Pillar 5	Data, Knowledge, and Monitoring Systems		181
	Pillar 6	Stakeholder Engagement and Inclusivity		181
5	Strategic Actions			
	Strategic Action 1.1	Formalize roles of EPA, MEST, NDPC, and sectoral agencies • NAP process should move beyond project-based arrangements and embed adaptation responsibilities within existing governance structures to ensure long-term sustainability. • EPA mandated as the coordination and technical Secretariat (EPA Act, 1124) • NDPC to embed NAP actions into the national planning cycle and enforce compliance among MDAs. sectoral ministries, such as Health, Agriculture, Roads, and Local Government. • To receive defined mandates with corresponding resource allocations for adaptation delivery.	Pillar 1	180
	Strategic Action 1.2	Embed adaptation mandates in MMDAs and sector MDAs • Inclusion of adaptation responsibilities in MMDA job descriptions, budget guidelines, and performance contracts. • District Planning Units to receive capacity-building and resourcing to deliver and report on localized adaptation actions in line with NDPC and EPA frameworks.	Pillar 1	181
	Strategic Action 2.1	Mainstream adaptation in national and district budgets	Pillar 2	181
	Strategic Action 2.2	Develop a climate finance strategy and project pipeline	Pillar 2	181
	Strategic Action 2.3	Strengthen access to international climate funds (e.g., GCF, AF)	Pillar 2	181
	Strategic Action 2.4	Mobilize private sector investment and innovative financing	Pillar 2	181
	Strategic Action 3.1	Integrate NAP actions into sectoral and local development plans	Pillar 3	181
	Strategic Action 3.2	Review and revise laws, building codes, and EIAs to reflect climate risk	Pillar 3	181
	Strategic Action 3.3	Institutionalize climate adaptation screening in public investment processes	Pillar 3	181
	Strategic Action 4.1	Provide continuous training and technical support to MDAs and MMDAs	Pillar 4	181
	Strategic Action 4.2	Support development of adaptation curricula in tertiary institutions	Pillar 4	181
	Strategic Action 4.3	Foster partnerships with academia, CSOs, and professional bodies	Pillar 4	181
	Strategic Action 5.1	Operationalize a NAP Monitoring, Evaluation, and Reporting framework	Pillar 5	181
	Strategic Action 5.2	Strengthen Ghana's climate information systems	Pillar 5	181
	Strategic Action 5.3	Establish an integrated national database for vulnerability, risk, and adaptation actions	Pillar 5	181
	Strategic Action 6.1	Institutionalize stakeholder engagement platforms for youth, women, and civil society	Pillar 6	181
	Strategic Action 6.2	Strengthen community-based adaptation mechanisms	Pillar 6	181
	Strategic Action 6.3	Implement national communication and public awareness strategies	Pillar 6	181