



# DEPARTMENT OF WATER AND SANITATION

## DEVELOPMENT PARTNERS BRIEF

### Our Mandate

The Mandate of the Department is to facilitate the sustainable management of our water resources, provision of adequate portable water for domestic use, adequate water for irrigation and facilitate sustainable exploitation of all other resources in consideration to our natural environment.

### Vision

A leader in providing safe, reliable and affordable water in a clean environment.

### Mission

To govern, develop and sustain all public water supplies progressively ensuring that all County residents have access to safe, reliable and affordable water.

### Strategic Objectives

- i. Increasing availability and access to safe water within 2 km
- ii. Improving water governance mechanism

What the department has done in collaboration with partners, specifically

a) The need and the gap that the development partners plugged in

- Increase access to water: through development and/or rehabilitation of over 50 water sources ranging from dams, boreholes, springs protection and roof catchment promotion.
- Reducing distance to the nearest water source: pipeline extensions and development of communal water points to an average distance of ...Kms has been achieved
- Use of Modern Technology: Installation of 23 Automated Water Dispensing Machines at Water Kiosks which has reduced Non-Revenue Water (NRW) considerably, saved time taken fetching water as the water is accessible for longer hours as opposed to those manned by kiosks attendants since they open at prescribed timings and also reduced loss of revenue since there is no handling of cash.
- ICT; Adoption of digital billing systems by Water Service Providers and various water schemes. Eight (8) rural water schemes have been supported.
- Green Energy Promotion: Installation of solar energy across various projects.
- Urban and Rural Water Governance: Continuous capacity building & training of water service providers and water committees on water issues has boosted County sustainability efforts of water projects. Additionally, support in development of various County legislations and institutional frameworks.
- Reflection and Learning: there has been support and collaboration through WASH forums,

in the current year, two (2) forums have been held funded by our partners.

## b) Partnership achievements for the last 10 years and in the last 1 year

### • Non-Governmental Development Partners

S/N	Partnering Organization	Programme/ Project	Achievement/ Impact
1	USAID – KIWASH	Kenya Integrated Water, Sanitation & Hygiene Project Works Done: <ul style="list-style-type: none"> <li>• Development of Water Policy &amp; Water Act support</li> <li>• Swaa water project, Ukia</li> <li>• Makutano Sinai water project, Wote/ Nziu</li> <li>• Kanaani water project, Makindu</li> <li>• Kyulu valley water project, Ivingoni/ Nzambani</li> <li>• Water mapping of water projects county wide</li> <li>• Water harvesting and sanitation support in selected schools</li> <li>• Governance support through training of committees and capacity building of WSP's</li> </ul>	<ul style="list-style-type: none"> <li>• Makueni County Water Policy 2019 and Water Act 2020</li> <li>• Water Systems (4 No.)</li> <li>• Inventory of all County water sources (1,592 sources mapped)</li> </ul>
2	World Vision – Kenya	Works Done: <ul style="list-style-type: none"> <li>• Kakuli Borehole, Kalawa</li> <li>• Ngunini Borehole, Kalawa</li> <li>• Kwa Nzili Borehole, Kalawa</li> <li>• Kwa Masaku Borehole, Kalawa</li> <li>• Kyaani Borehole, Kalawa</li> <li>• WASH business Centre in Kalawa (Continuous)</li> <li>• Tapping of River Athi water – Athi-Kalawa Water, Sanitation &amp; Health programme (AKWASH) – Ongoing</li> <li>• Household Water Treatment Programme (provision of chlorine based water treatment chemicals to 2000 HH)</li> <li>• Kenya Integrated Emergency Response Programme II-funded by USAID</li> </ul>	<ul style="list-style-type: none"> <li>• Water systems 5 No. completed</li> <li>• Establishment of 2 WASH Business Centres</li> </ul>
3	WeltHungerHilfe (WHH)	Strengthening access to safe water and enhanced knowledge on Sanitation and Hygiene in Makueni County Works Done: <ul style="list-style-type: none"> <li>• Athi-Kaminyuni Borehole, Mtito Andei</li> <li>• laani Borehole, Ivingoni/ Nzambani</li> <li>• Katheka Kai Borehole, Ivingoni/ Nzambani</li> <li>• Isunguluni Borehole, Thange</li> <li>• Nzwii Borehole, Ivingoni/ Nzambani</li> <li>• Ikungu Borehole, Makindu</li> <li>• Kisingo Borehole, Makindu</li> <li>• Kawelu Borehole, Nguumo</li> <li>• Maumbuni Borehole, Nguumo</li> <li>• Kadanger Borehole, Makindu</li> <li>• Katulani Borehole, Nguu/ Masumba</li> <li>• Matutu Borehole, Nguu/ Masumba</li> <li>• Support in development of an Asset Inventory for piped water systems using, mWater platform</li> <li>• Kikumilo Borehole – Mtito Andei</li> <li>• Katune Borehole – Emali/Mulala</li> <li>• Kwale Community Borehole – Kasikeu</li> <li>• Katisaa Borehole – Emali/Mulala</li> <li>• Mwanja Borehole – Kitise/ Kithuki</li> <li>• Kimboo Borehole – Makindu</li> </ul>	<ul style="list-style-type: none"> <li>• Number of people accessing safe water (69,768)</li> <li>• Masonry tanks (18)</li> <li>• Pipeline extension in (Kms) (233.3 km)</li> <li>• Water points (147)</li> <li>• VIP latrines (69)</li> <li>• PVC tanks (114)</li> <li>• Pupils trained on CHAST, MHM &amp; Health Talk (1632)</li> <li>• Villages declared ODF (Total = 197 Villages)</li> </ul>

4	Water Mission Kenya	<p>Implementation of safe water projects using community owned model where the community utilizes locally available materials and fully manages the project from start to the end.</p> <p>Works Done:</p> <ul style="list-style-type: none"> <li>• Kinyongo Borehole Safe WP; Ukia</li> <li>• Mwiveto Borehole Safe WP; Mavindini</li> <li>• Kavingoni Yemulwa Safe WP; Mavindini</li> <li>• Kaia Borehole; Kilungu</li> <li>• Thoma Borehole; Kee</li> <li>• Mutulani Borehole; Muvau</li> <li>• Kanzokea Borehole; Kitise</li> <li>• Kiu Borehole:</li> <li>• Ngaamba West Borehole</li> <li>• Watema Borehole; Kee ward – Ongoing</li> <li>• Kwa Mukonyo Borehole; Nguu – Ongoing</li> <li>• Kambu Springs; Mtito &amp; Ivingoni – Ongoing</li> </ul>	<ul style="list-style-type: none"> <li>• Number of completed water systems: 12</li> <li>• Total Population served: 43,203</li> <li>• Per capita investment cost: \$47.76</li> <li>• Average daily production (l): 65,483</li> <li>• Total production (l): 33,188,610</li> <li>• System UPTIME: 94%</li> </ul>
5	Kenya Red Cross Society	<p>Enhanced accessibility to Water and Improved Sanitation Works Done</p> <ul style="list-style-type: none"> <li>• Treatment plant facility along Kaiti River, WOWASCO</li> </ul>	<ul style="list-style-type: none"> <li>• Improved access to clean water</li> </ul>
6	CESPAD	<ul style="list-style-type: none"> <li>• Capacity building of water management committees in Kibwezi West and Makueni sub counties</li> </ul>	<ul style="list-style-type: none"> <li>• 4 No. community water schemes trained on Integrity Management Tool Box (IMT)</li> </ul>
7	KEWASNET	<ul style="list-style-type: none"> <li>• Capacity building of water management committees</li> </ul>	<ul style="list-style-type: none"> <li>• The two partners through a consortium has trained 4 No. community water schemes on Integrity Management Tool Box (IMT)</li> </ul>
8	Neighbors Initiative Alliance (NIA)	<ul style="list-style-type: none"> <li>• Capacity building of water management committees</li> </ul>	
9	RUWASCO	<p>Improving the functionality and performance of Rural Water Supply Systems</p> <ul style="list-style-type: none"> <li>• Twenty-two (22) water schemes trained on Scheme Cloud digital water billing system</li> </ul>	<ul style="list-style-type: none"> <li>• 8 No. water schemes/ utilities have adopted digital water billing system (MBONWASCO, Makutano/ Sinai, Ulu 3 borehole, Kanaani/Kiboko, Iiani, Komboyoo, Mangelete, Kyulu Valley)</li> <li>• Two (2) water schemes have been supported with a laptop &amp; android phone each, making the billing process efficient</li> </ul>
10	Action Aid Kenya	<ul style="list-style-type: none"> <li>• Supported construction of Kitise water treatment plant and extension to Ngunguni and Mau Eli.</li> <li>• Supported Mukami B pipeline extension from source to Caleb, Kiiaroni to Kimundi with partnership with Safaricom.</li> <li>• Supported the 27 schools with water trucking and water tanks (250lts) twice in the three location (Kithuki, Kanthuni and Kanzokeani)</li> <li>• Mukameni A pipeline extension</li> </ul>	<ul style="list-style-type: none"> <li>• Water systems supported 3 No.</li> </ul>
11	USAID – STAWI	In the formative stages	

## • National Government affiliated development Partners

S/N	Partnering Agency	Current Programme/ Project
1	National Ministry of Water, Sanitation & Irrigation	<ul style="list-style-type: none"> <li>• Thwake Multipurpose Mega dam</li> </ul>
2	Water Services Regulation Board – WASREB	<ul style="list-style-type: none"> <li>• Regulation of WSP's</li> </ul>
3	TANATHI Water Works Development Agency	<ul style="list-style-type: none"> <li>• Emali Township water project</li> <li>• Kaiti 4 Water Project</li> <li>• Kamunyolo earth dam distribution</li> </ul>
4	National Drought Management Authority – NDMA	<p>Completed Projects</p> <ul style="list-style-type: none"> <li>• Mbasya earth dam in Kalawa Ward, Mbooni</li> <li>• Ngomeni earth dam in Kathekani Ward, Kibwezi East</li> <li>• Ulu3 water pipeline extension, Kiimakiu Ward, Kilome</li> <li>• Ikungu Water pipeline extension in Makindu ward, Kibwezi West</li> <li>• Kataa water pan in Masongaleni Ward, Kibwezi East</li> <li>• Mitundu earth dam in Kikumbulyu South Ward, Kibwezi East</li> <li>• Kwa Kilui earth dam in Kathonzweni Ward, Makueni</li> <li>• Musele earth dam in Kikumbulyu North Ward, Kibwezi West</li> <li>• Kamunyuni1 Sand dam in Kikumbulyu North Ward, Kibwezi West</li> <li>• Kamunyuni2 Sand dam in Kikumbulyu North Ward, Kibwezi West</li> <li>• Rehabilitation of bore-holes five under CSR (Davies and Shirtliff)</li> </ul> <p>Ongoing Projects</p> <ul style="list-style-type: none"> <li>• Kiboko-Twaandu pipeline extension in Makindu Ward, Kibwezi West</li> <li>• Athi-Mavindini pipeline extension in Mavindini Ward, Makueni</li> <li>• Kamunyuni1 Sand dam in Kikumbulyu North Ward, Kibwezi West</li> <li>• Drilling, equipping and distribution of water in Mbiini borehole in Kasikeu ward</li> <li>• Rehabilitation of 10 Additional Boreholes under the Kenya Tulindane initiative under the NSCODR</li> </ul>
5	Water Services Trust Fund (WSTF)	<ul style="list-style-type: none"> <li>• Financing of WSP's in infrastructure development such as:               <ol style="list-style-type: none"> <li>Kitukyumu-Malivani-Mwanzo Pipeline</li> <li>Machinery Water Project</li> </ol> </li> <li>• Financed WSP's to mitigate effects of COVID</li> </ul>

### c) The successes

The department through collaboration has achieved the following:

- Increased access to water from 35.6% at onset of devolution to 44.2% as of the year 2019. Through development and/ or rehabilitation of over 50 water projects by most of the development partners it is currently estimated at ...%.
- Reduced distance to nearest water source from approximately 8 Kms in 2013 to 5 Kms and currently approximately 3 Kms
- Investment in modern technology through installation of 23 Automated Water Dispensing machines at water kiosks by WHH, Safaricom among others
- Leveraging on ICT in water service delivery through installation of digital billing systems to 8 No. community water schemes by RUWASCO
- Adoption of green energy as a climate action mechanism through utilization of solar

#### **d) Challenges faced in the partnerships**

The following are the challenges faced

- i. Noncompliance by some partners where some are operating without pre-requisite requirements like valid MoUs or agreements
- ii. Some technologies are expensive for community to sustain, for example use of reverse osmosis in areas with saline water
- iii. Diminishing recharge within water sources
- iv. Governance issues in community managed projects which affects sustainability of implemented projects
- v. Inadequate resources

Key sector priorities into the future

Sector priorities are:

- i. To increase access to improved water sources from 44.2 percent to 70 percent
- ii. To reduce the average distance to improved water sources from 5 km to 2 km
- iii. Improve Urban and Rural Water Governance
- iv. Liquid waste management
- v. Strengthen the sector policy, legal and institutional frameworks







**P.O. BOX 78-90300 MAKUENI**

**Website: [www.makueni.go.ke](http://www.makueni.go.ke)**

**Email: [water@makueni.go.ke](mailto:water@makueni.go.ke)**

