Water Sector Trust Fund

Financing the Water Sector

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SITUATION REPORT #218

UNPSA Special Issue

24th - 28th June 2019

Water Sector Trust Fund Wins 2019 United Nations Public Service Award

Water Sector Trust Fund (WaterFund) is a recipient of the prestigious 2019 United Nations Public Service Awards (UNPSA), after its Up-scaling Basic Sanitation for the Urban Poor (UBSUP) programme was selected as one of the winners of the award under the "*Delivering Inclusive and Equitable Services to Leave No one Behind*" category.

Hon. Simon Chelugui, Cabinet Secretary in the Ministry of Water and Sanitation, led the Kenyan delegation to receive the award in the city of Baku, Republic of Azerbaijan, from the 24th to 26th June 2019.

The United Nations Department of Economic and Social Affairs (UNDESA) received 523 nominations from 72 countries but only 11 institutions won the 2019 Awards. WaterFund is the only institution from an African country to win at the Awards this year.

Previous UNPSA winners from Kenya are Agricultural Sector Development Support Programme in the year 2018 and Huduma Kenya Programme under the Ministry of Public Service, Youth and Gender Affairs in the year 2015.



Mr. Ismail Shaiye, Chief Executive Officer, WaterFund (right), uses a model to explain the Decentralised Treatment Facility concept to H.E. Uhuru Kenyatta, President of the Republic of Kenya (second from right), in May 2018 at KICC, Nairobi, during the launch of Ministry of Water and Sanitation's Rapid Results Initiative (RRI)

Integrated Approach to Solving Sanitation Challenges in Kenya

According to the Kenyan Constitution of 2010, every Kenyan has a right of access to basic sanitation. Kenya is also a signatory to the Sustainable Development Goals (SDGs) which requires everyone to have access to sanitation by the year 2030. It is important to note that the current sewerage coverage in Kenya is 16%, and the Ministry of Water and Sanitation is employing great effort towards ensuring the



(From left to right) Mr. John Kauzya (Chief of Public Services Innovation Branch), Ms. Alia El-Yassir (Regional Director for Europe and Central Asia, UN-Women), Mr. Simon Chelugui (Cabinet Secretary, Ministry of Water and Sanitation) , Mr. Patrick Kokonya, (Chairman, WaterFund), Mr. Ismail Shaiye (Chief Executive Officer, WaterFund) and Ms. Stella Warue (Programme Officer, WaterFund)

United Nations Public Service Awards

The United Nations Public Service Awards (UNPSA) promotes and rewards innovation and excellence in public services in support of the realisation of the Sustainable Development Goals and the principle of 'leave no one behind'.

The awards are organised by the United Nations Department of Economic and Social Affairs (UNDESA). UNPSA is an annual competition that takes place on 23rd June, as the United Nations Assembly designated Day to celebrate the value and virtue of public service to the community.

Every year UNDESA makes calls for proposals requesting for submissions of projects that promote and support innovation and excellence in the public service. The 2019 UNPSA were awarded to public institutions that distinguished themselves in any of the below categories:

a) Delivering inclusive and equitable services to leave no one behind
b) Ensuring integrated approaches in the public-sector institutions
c) Developing effective and accountable public institutions
d) Promoting digital transformation in public sector institutions
e) Promoting gender responsive public services to achieve the SDGs

The winners are designated according to the UN Regional Groups, that is, Africa, Asia and the Pacific, Eastern Europe, Latin America and the Caribbean, and Western Europe.

coverage has increased. In order to reach the goal of access to sanitation for all by 2030, an integrated approach to solving sanitation challenges is needed.

The Up-scaling Basic Sanitation for the Urban Poor (UBSUP) programme offers an affordable solution for accelerating the achievement of SDG 6.2 (achieve access to adequate and equitable sanitation and hygiene for all), upon which the programme won the award.

UBSUP's unique features that led to the winning of the award include: its great impact on sanitation services offered in an inclusive and equitable manner without leaving anyone behind; the nation-wide approach of the programme; cost efficiency; and the pro-poor component of offering a post-construction incentive for the projects.

UBSUP is financed by the German Development Bank (KfW), The Gates Foundation and the Government of Kenya at a total cost of KSh 1.46 Billion, with technical support from GIZ. The programme targets a beneficiary base of 400,000 people with improved sanitation services as well as 200,000 with access to clean and safe drinking water. The programme started in 2011 and will end in December 2020. WaterFund works with the Water Services Providers (WSPs) all over the country.

The programme provides a post-construction incentive or subsidy for the toilets at a cost of KSh 20,000 for a new toilet and KSh 15,000 for a rehabilitated toilet. The subsidy can only be paid after the landlords and house owners have completed the toilets which meet the specified given standards.

The WSP should also prove that they are able to cover the full sanitation value chain where the faecal waste is contained, emptied and transported to a treatment facility and thereafter the treated waste can be reused for productive purposes. In the sanitation value chain, WaterFund only provides the funds for the containment and for the treatment of the waste. Decentralised Treatment Facilities are funded as a full grant to be able to treat the waste generated.

Currently about 250,000 people have been reached out of the 400,000 people targeted for the programme. The target is expected to be met and exceeded with the implementation of the 2nd call for proposals. There are 18 DTFs being implemented currently and 15 more are expected to be funded in the next call for proposals.

Opportunities for Scaling Up the Sanitation Programme

The UBSUP programme has been implemented in 19 counties and the need is still evident; however, the current financing runs until the year 2020. WaterFund being a public national entity has a mandate to reach all 47 counties. There has been a lot of interest from different counties; however, financing is not adequate to meet the demand.

Given the merits of the programme, the Ministry of Water and Sanitation through WaterFund would like to scale up the implementation of the programme. This is in a bid to achieve access to sanitation for all by the year 2030 and also complement the Big 4 Agenda of the Government.

WaterFund proposes that the UBSUP concept be adopted as a government policy that would eventually facilitate wide-scale implementation of the DTFs in areas without conventional sewerage system.

DTF Treatment Process Modules in Pictures



Module 1: Operator's store

Module 2: Receiving bay / Balancing tank





Module 3: Sludge settler

Module 4: Anaerobic baffled reactor (ABR)





Module 5: Vertical flow constructed wetland

Module 6: Sludge drying beds





Module 7: Composting area

Module 8: Waste disposal unit (incinerator)



The DTFs offer comparative advantage in the following ways:

a) The DTF is more affordable in comparison to the capital costs required for the sewer network and treatment
b) Low maintenance cost (no or less electricity consumption)
c) Requires a relatively small piece of land ranging from ¼ to ½ an acre
d) Responsive to the needs of the clients in terms of design capacities
e) High potential of local reuse of water, nutrients and energy depending on the DTF model
f) Offers an alternative where conventional sewer is not applicable
g) Shorter implementation period compared to the conventional sewer treatment facilities

During the Ministry of Water and Sanitation's Rapid Results Initiative launch held on May 2018 at KICC, H.E The President gained interest in the DTF Concept. Consequently WaterFund submitted a concept to the Office of the President on "***Urban and peri-urban water and sanitation programme***" requesting for KSh 7.182 Billion for sanitation intervention that includes a water component for the hygiene purposes.

UNPSA Photo Gallery





WaterFund team receives the award





WaterFund team receives the award



UNPSA winner's trophy





WaterFund team is all smiles with the winner's trophy and certificate



Hon. Simon Chelugui, CS, Ministry of Water and Sanitation, joins other winners on stage



United Nations Public Service Awards
Winner
Category on Delivering Inclusive and Equitable Services to Leave No One Behind
This certificate is given in recognition of the contribution of
Up-Scaling Basic Sanitation for Urban Poor (UBSUP)
Water Sector Trust Fund
Republic of Kenya
for innovation and excellence in public services supporting the implementation of the 2030 Agenda for Sustainable Development
Liu Zhenmin
Under-Secretary-General for Economic and Social Affairs
23 June 2019

United Nations Public Service Awards winner's certificate

Media Accolades

Water Sector Trust Fund in general and the UBSUP programme in particular have been showcased in the past week by the Kenyan media as seen below. *The Standard* newspaper of Sunday 30 June 2019 page 20 had a full-page coverage of the award and explained the DTF module to the public. The corresponding online article is found at the following link: https://www.standardmedia.co.ke/article/2001331963/kenyan-sanitation-and-water-project-lands-global-award

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Water Sector Trust Fund's Situation Report (SITREP) is a weekly compilation chronicling our day-to-day activities: meetings with our stakeholders such as current or prospective partners, programme meetings, staff sensitisation meetings, and much more. The SITREP gives a pulse of what we do on a daily basis.

A Special Issue of the SITREP like this one focuses on an important event in detail. This issue is dedicated to celebrating the WaterFund's recognition at the 2019 United Nations Public Service Awards in Baku, Azerbaijan.

For further information about the WaterFund, who we are and our investment services (our programmes), please visit our homepage ***waterfund.go.ke***

For this issue and all previous SITREPs, please visit the website ***waterfund.go.ke/sitreps***

A FIRST Programme emerged among the best in the prestigious 2019 United Nations public service annual award

Kenyan sanitation and water project lands global award

Initiative involves building and upgrading of toilets and construction of decentralised facility to treat human waste.

By Jacob Ng'etich
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A local solution to the sanitation menace and perennial shortage of clean water in urban areas in Kenya has won global admiration.

The programme involves building and upgrading of toilets and construction of small scale decentralised facility to treat human waste from dry and wet toilets through mechanical and biological treatment.

The programme, up-scaling basic sanitation for urban poor (UBSUP), implemented by the Water Fund emerged among the top 10 institutions in the prestigious 2019 United Nations public service annual award.

The programme financed by the Kenya government and the Bill & Melinda Gates Foundation at Sh1.46 billion beat 500 institutions globally and was the only agency in the continent to win.

It emerged top in the category of "Delivering Inclusive and Equitable Service To Leave No one Behind." This award now places UBSUP in a better position for enhanced funding by donors.

Under the UBSUP programme, Water Fund is working with water service providers in 22 counties to improve sanitation services and access clean and safe drinking water to 600,000 people.

The programme provides subsidy to landlords with Sh20,000 for a new toilet and Sh15,000 for rehabilitated toilets in urban areas where the poor live.

Cost efficient

The initiative has proven cost effective, with a per-capita cost of less than US$50, including construction of 15,490 toilets and over seven decentralised treatment facilities. Water Trust CEO Ismail Shaiye said the subsidy can only be paid after the landlords and house owners have completed the toilets and if they meet the given standards.

But it is the construction of a faecal sludge treatment facility where human waste is processed into cooking granules and clean water from the treatment released into the rivers that won Water Fund the prestigious award. Dubbed DTF (Decentralised Treatment Facility), the system treats the faecal sludge coming from latrines and septic tanks at a decentralised level.

"The DTF is a modular facility with a standard design that can treat up to 23m3 daily. It comprises of six modules that provide biological anaerobic treatment and run by gravity (no energy or chemical input)," said Shaiye.

The construction of a DTF requires about half an acre of land and utilises about Sh10 million, which makes it an innovative idea to address sanitation and sewerage issues in areas without a conventional sewerage system.

Shaiye said UBSUP's objectives were to provide sustainable sanitation through provision of better toilets and safe water. "About 250,000 people have since been reached, of the targeted 400,000," he said.

Project mirrors

Water Fund through 20 water service providers across the country is implementing the programme that includes construction of cheap and affordable sewerage systems that serves between 10,000 to 30,000 residents in small towns.

One of such successful projects he said was in Nakuru, that was transforming the town through management of its sewerage system by using human waste as the main raw material for cooking briquettes while at the same time releasing clean water into rivers.

"This project mirrors others that we have implemented in 22 other counties, where sewage water is cleaned and let into water bodies while human waste is transformed into cooking material," said Shaiye.

He said their target was to serve smaller populations. "The cost and land for construction of the DTFs is also less and affordable. To have access to sanitation for all by 2030, DTFs may be the way to go," he said.

The CEO said that overall objectives of the programme include improving living conditions of the urban poor and targets populations of the urban low income areas in Kenya with dire need of better sanitation.

"Through the projects we also want to enable residents practise good hygiene, develop standards for replication (scaling up), focus on plot and household level sanitation," he said. For a WSP to benefit from the project, they should prove that they are able to cover the full sanitation value chain of where the faecal waste is contained, emptied and transported to a treatment facility and thereafter the treated waste can be reused for productive purposes.

Shaiye said in the sanitation value chain, Water Fund only provides funds for containment and treatment of the waste. Decentralised treatment facilities are funded as a full grant to be able to treat the waste generated.

"We currently have 18 different capacity DTF models that are already funded and at different stages, with 10 already complete," he said.

Water and Sanitation Cabinet Secretary Simion chelugui said that his ministry was determined to have quality service for every Kenyan and sanitation in the urban areas was a priority in his ministry.

"We want to eventually have towns and cities that have a well laid out sewerage systems that ensure clean and habitable environments, we are are determined," said Chelugui.

UBSUP Chelugui said would allow small urban areas to access proper sanitation and clean water all at a cheaper cost.



Water and Sanitation Cabinet Secretary Simion Chelugui, with the award that Water Fund won for being the best public service corporation globally. Looking on from right is Water Fund CEO Ismail Shaiye and the board chair, Patrick Kokonya. The organisation was feted in Baku, Azerbaijan. [Courtesy]

Transforming lives

- Counties involved include Bomet, Kisumu, Siaya, Machakos, Marsabit, Narok, Meru, Nandi, West Pokot, Uasin Gishu, Baringo, Busia, Nairobi, Nakuru, Homa Bay, Embu, Tharaka Nithi, Makueni, Kirinyaga, Nyandarua, Bungoma and Kilifi
- Water Fund project was top 10 out of over 500 institutions from 71 countries that submitted proposals
- Project targets to change lives of 600,000 people

