

20th AfWA International Congress and Exhibition 2020 Breaking new grounds to accelerate access to water and sanitation for all

Pre-paid meters: design fit-for-purpose technologies.
(Case of National water and sewerage corporation)

26th February 2020, Kampala,
Uganda

GILBERT MUHWEZI

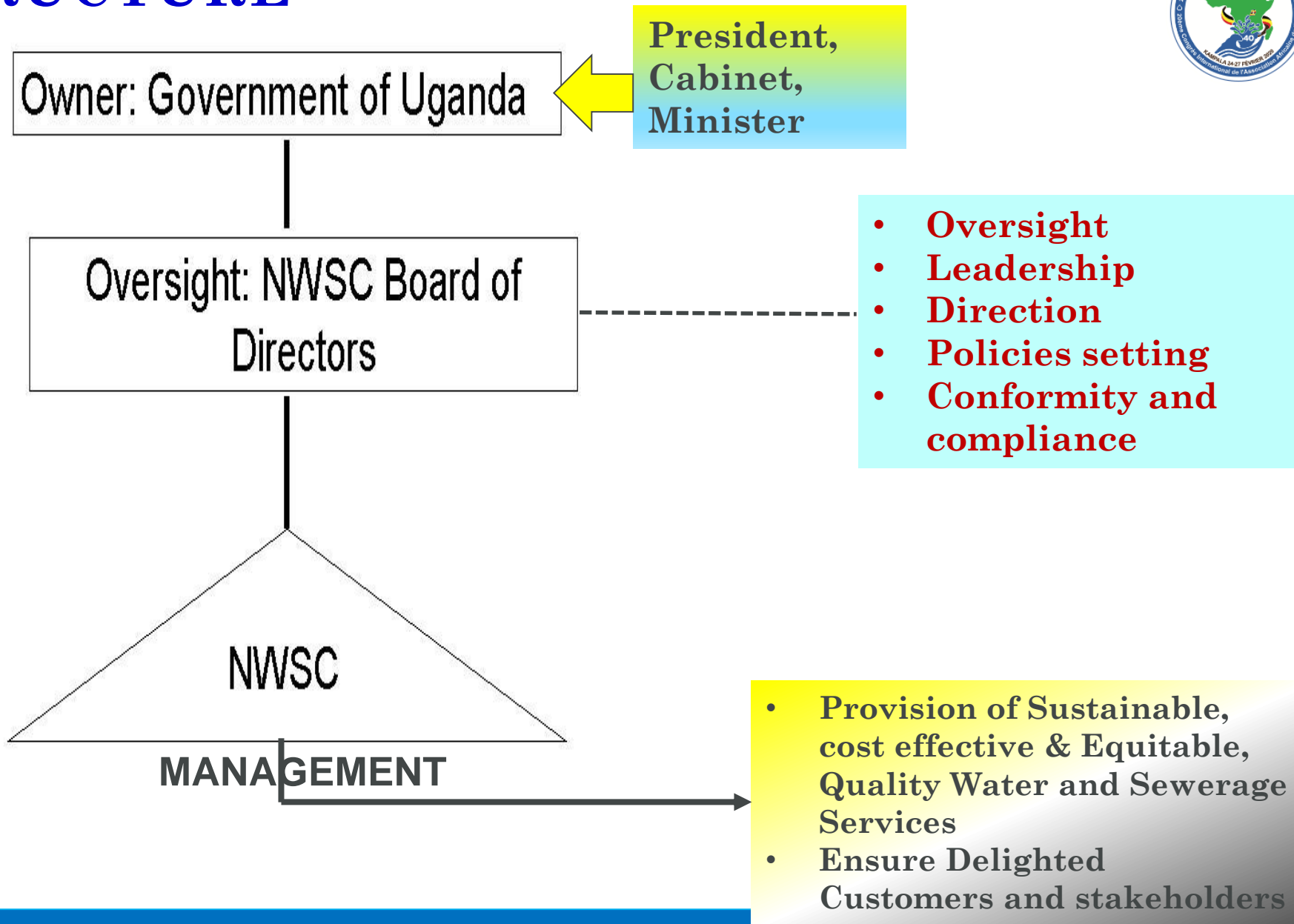


NWSC MANDATE & HISTORICAL CONTEXT

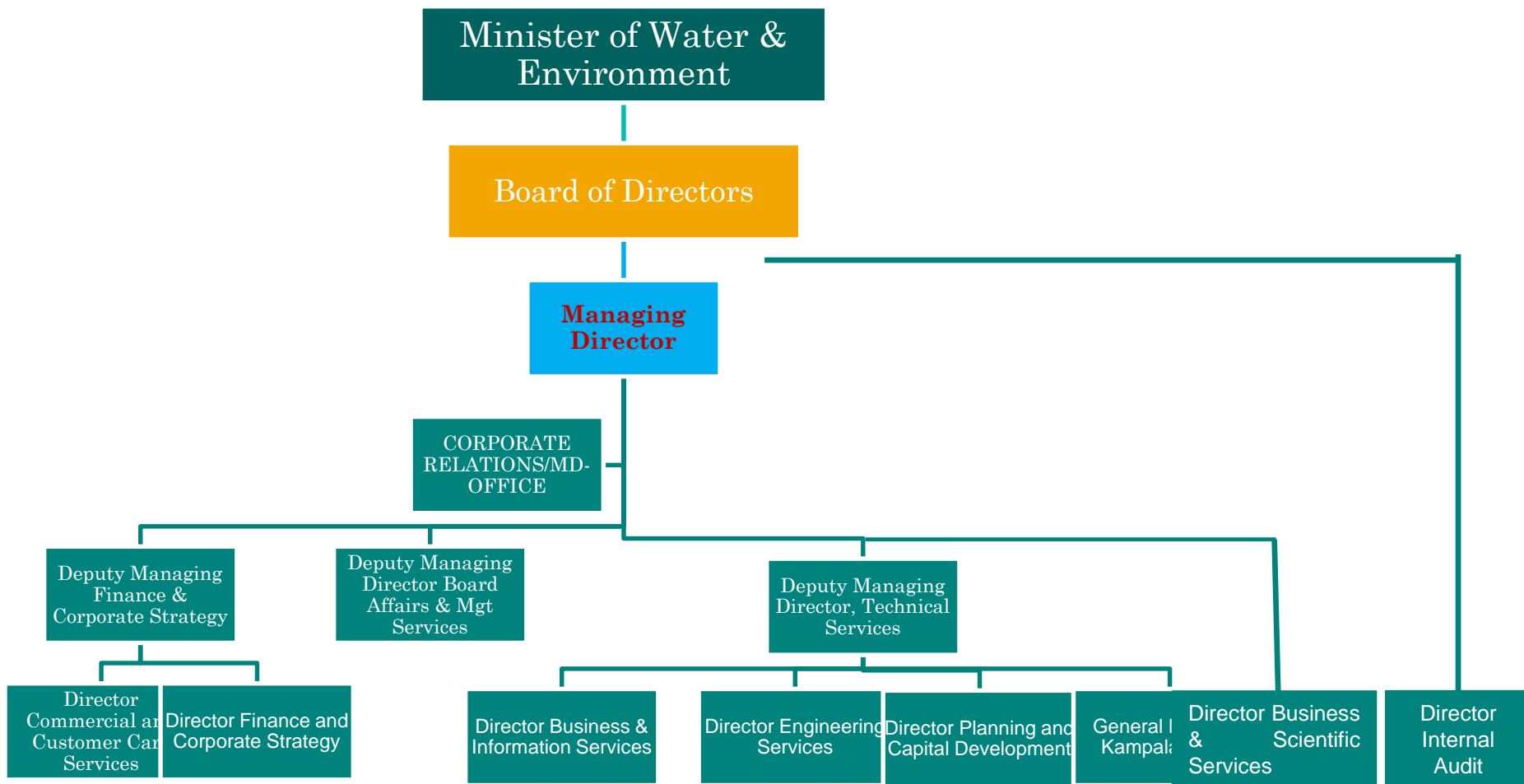


- A Public Corporation wholly owned by the Government of Uganda.
- **Established in 1972 by decree No. 34**
- Legal position strengthened by the enactment of the NWSC Statute No. 7 of 1995 and NWSC Act of 2000 (Cap 317).
- **New legal framework enables NWSC to operate on a commercially and financially viable basis.**
- NWSC is mandated to manage water and sewerage services in Urban Areas under its jurisdiction.

GOVERNANCE & ACCOUNTABILITY STRUCTURE



NWSC CORPORATE ORGANOGRAM



OUR VISION AND MISSION



Our Vision

To be The Leading Customer Centered Water Utility in the World.

Corporate Mission

To Sustainably and Equitably Provide Cost Effective Quality Water and Sewerage Services to the Delight of All Stakeholders while Conserving the Environment.



WHY PRE-PAID METERING?



- Minimise unauthorised consumption in Informal/Urban poor setup.
- To minimise policy requirements associated with Informal/urban poor settlements.
- To serve the Informal/urban poor population at a subsidised tariff.
- To reduce on growth of domestic arrears.
- Government Policy.
- To improve on data collection from highly Guarded installations.

TARIFF STRUCTURE



Consumer Category UGX/m ³ VAT Inclusive	Cost per 20ltr /UGX Jerrycan VAT Inclusive
Public Standpipe at UGX 1060 per m ³	25
Domestic Customer at UGX 3516 per m ³	83
Institution/Gov't at UGX 3558 per m ³	84
Commercial <500m ³ /Month at UGX 4220 per m ³	99
Commercial 500-1500m ³ /Month at UGX 3373/m ³	79
Industrial <1000m ³ /month at UGX 4220/m ³	99
Industrial >1000m ³ /month at UGX 2500/m ³	59

CURRENT STATUS



- Government Ministries, Departments and Agencies 200 Meters of various sizes from DN 15-150mm all functional since 2017 acquired from Elektromed-Turkey.
- Public user Pre-paid metering under Urban poor 1,539 units with 1,473 functional acquired from Elester Kent Metering currently known as Honeywell.

REFLECTIONS



- We have been able to serve more Informal/Urban poor settlements.
- Illegal use has reduced in Informal/Urban poor settlements
- We have been able to reduce domestic arrears from Government Entities.
- We have been able to improve on the data collection remotely.
- The users have been able to use water sparingly.

REFLECTIONS



- We have Challenges related to dealership of spares that sometimes lead to delays.
- The challenges with the technology that keeps improving and not compatible with the old one.
- Failures that require well trained team to respond to failures associated with the technology.
- Abuse of the system by both customers and sometimes staff that end up causing losses.
- The need to involve third parties to provide services closer to the users.
- Technologies that require special working environment.

TECHNOLOGIES CURRENTLY

USED





20th AfWA CONGRESS

— YOU ARE WELCOME —