



Media Briefing

Water Supply System

05 September 2025

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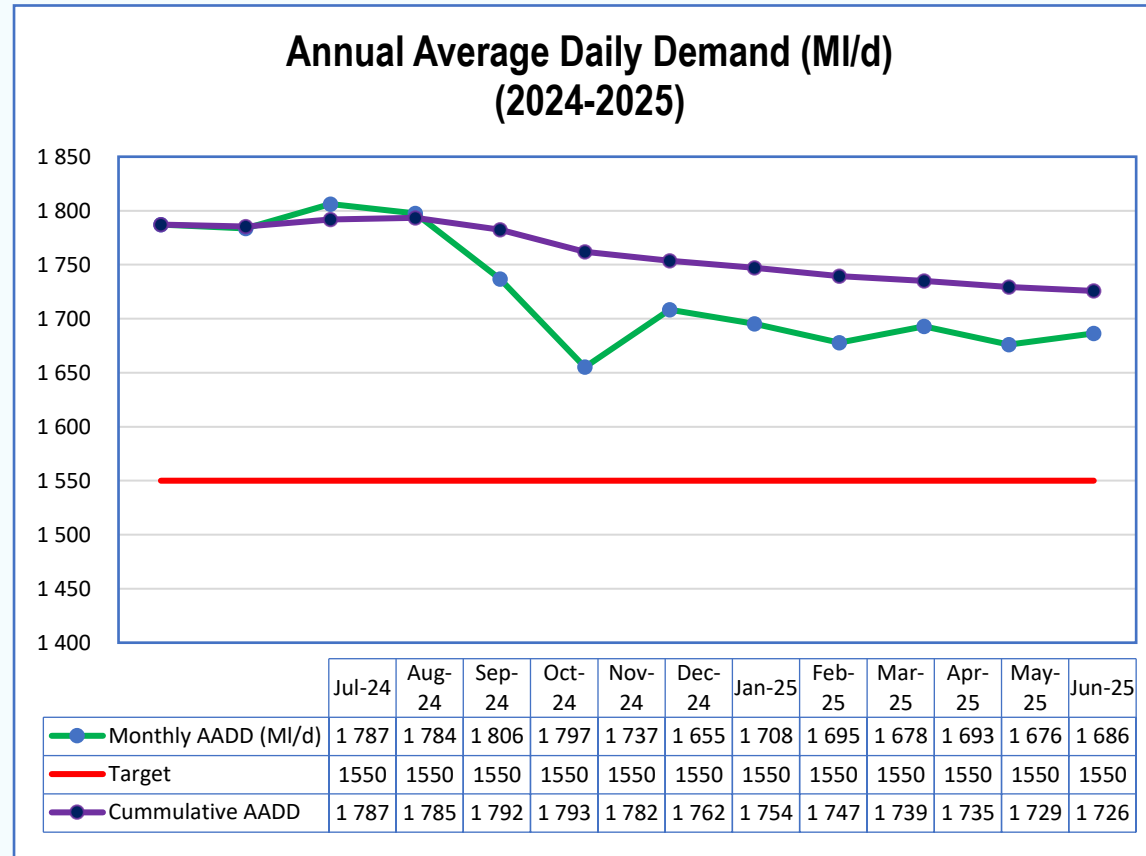
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ANNUAL AVERAGE DAILY DEMAND (AADD)



- ❑ The City of Johannesburg Annual Average Daily Demand (AADD) in July 2024 was **1 787 MI/d**.
- ❑ The June 2025 (AADD) closed the year at **1 726 MI/d**.
- ❑ This represents a reduction average daily demand of **61 MI/d** and reduction of over **100 MI/d** from the peak demand.
- ❑ Demand reduction of 4% (627 621 MI Vs 653 259 MI) YoY & 6.6% from the peak

HIGH WATER CONSUMPTION: SHORT TERM WINS (QUICK WINS)

* Throttling of the system



PRV Management

Continuous repairs and maintenance of PRV's and their chambers. Fixed setting reduction of downstream pressure.

232 of 730 PRVs refurbished.



Smart Controller

Increase the installation of PRV smart controllers to regulate night pressures in areas of high minimum night flows.

51 Smart controllers fitted. An additional **100** to be done by December 2025,



Advanced Leak Detection

Increase the installation of advanced leak detection (noise loggers) to identify underground leaks.

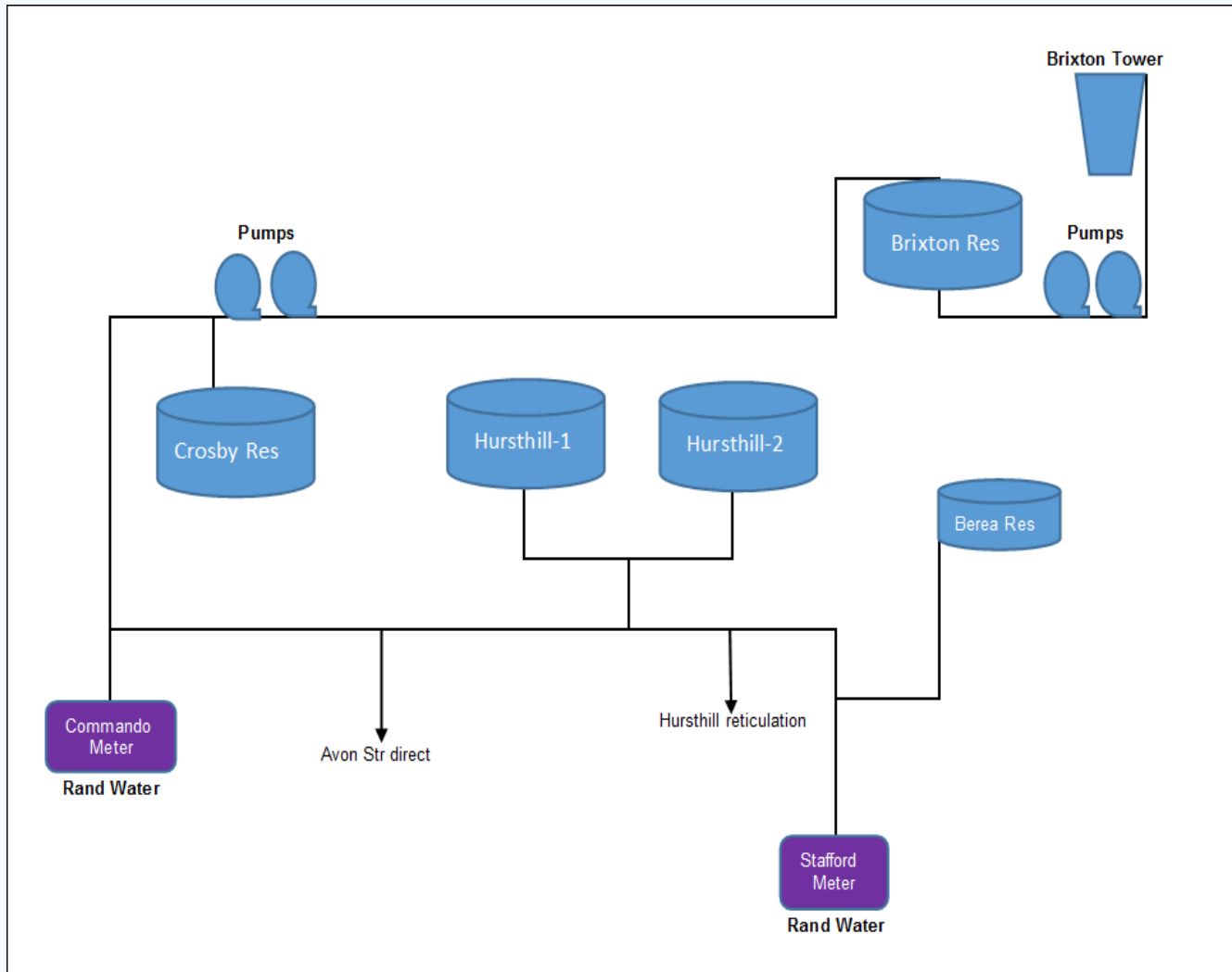
225 Loggers installed. An additional **400** loggers will be installed by June 2026



Level-3 Disconnections

Enhance by-law enforcement in deemed consumption areas, Prepaid metered areas, Bad buildings and as a credit management measure.

COMMANDO METER WATER SUPPLY SYSTEM



The Commando Meter System comprises of the Crosby Reservoir, Brixton Reservoir & Tower and Hurst Hill 1 & 2 reservoir and they supply water to wards 58, 69, 86 and 87. Some of the critical customers supplied include: Rahima Moosa and Helen Joseph Hospitals and the University of Johannesburg, SABC, etc.

Coronationville, Claremont, Westbury, Westdene and Sophiatown are all fed from Hurst Hill 1 reservoir which is currently on bypass.

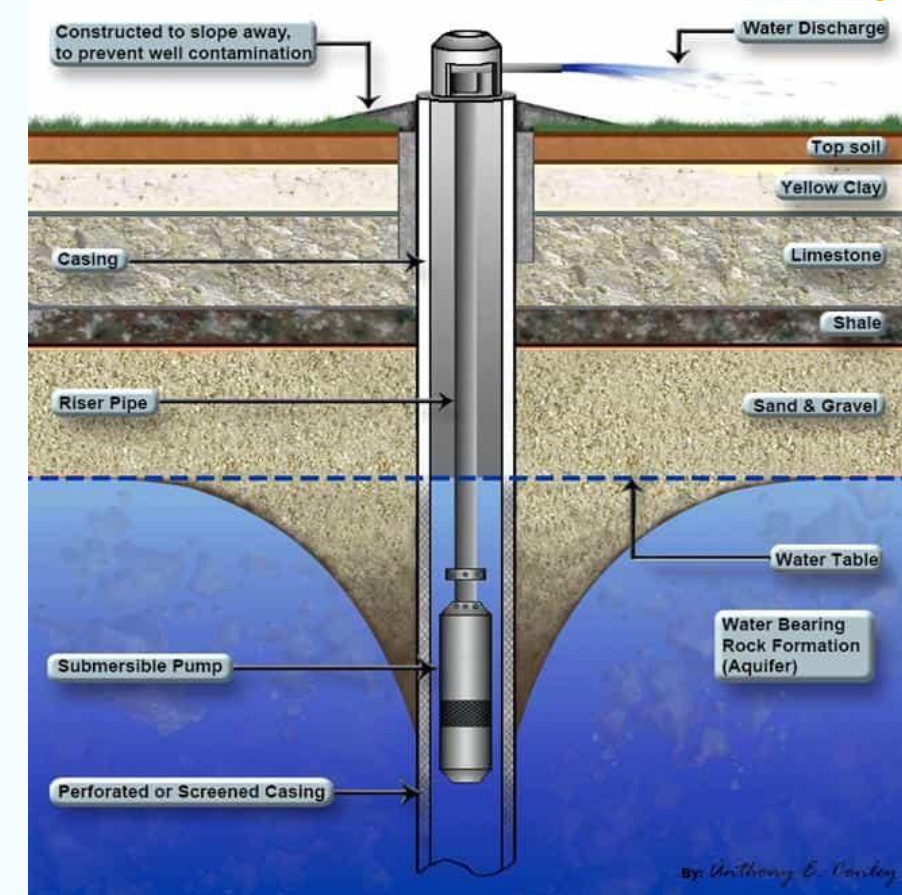
Hurst Hill 1 reservoir is part of the reservoir rehabilitation program. The reservoir is at design stage with an anticipated construction commencement date of November 2025.

COMMANDO METER WATER SUPPLY SYSTEM MEDIUM TO LONG TERM INTERVENTIONS

Priority	Project	Scope	Status	Duration	Estimated Cost	Anticipated Construction Completion
1	New Crosby Bulk Infrastructure project (Pump station, rising main and Rand water supply line)	Install a standby generator at Crosby reservoir to mitigate power interruptions and improve pump efficiency to Brixton Reservoir, including construction of a new booster pump station to supplement water supply to Hurst Hill Reservoir from the Crosby Reservoir with associated pipe work. New connection from Rand Water to supplement supply to Crosby Reservoir with the associated 1m diameter bulk supply main.	8% Construction	18 months	R 311,389,604	December 2026
2	Brixton Reservoir, Tower and Pump station including Crosby Re-configuration	Construction of a new Brixton Reservoir (26 ML) and Tower (2.2 ML) with associated pipe work.	95% Construction	18 months	R 285,643,867	October 2025
3	Renewal of reservoir: Hurst Hill 2 (with associated works)	Internal repair and lining of 23 ML Reservoir, In-situ lining of 600mm diameter bypass pipeline and replacement of associated valves and fittings.	Contractor Appointed	10 months	R32 million	September 2025

WATER SUPPLY AUGEMENTATION (BOREHOLES)

- ❑ Illegal connections near critical infrastructure, mainly from informal settlements creates unnecessary demand, resulting in very low levels of available water to nearby reservoirs.
- ❑ As an interventions, JW has embarked on a project to augment underground water for supply to informal settlement locations within the City of Johannesburg, to deal with the issue of illegal connections from informal settlements.
- ❑ **9 Informal Settlements** in Region G were identified for the Supply of Water, namely:
 - Water Works
 - Unaville
 - Narens Farm
 - Hospital Hill
 - Meriting
 - Marikana (Mountain View)
 - Kokotela
 - Lakeview
 - Mountain View
- ❑ WITS Enterprise was awarded the project.
- ❑ The project commenced on 30 July 2025, where geophysical determinations are currently underway.
- ❑ Drilling is expected to commence in the week of 8 September 2025 with estimated yields analysis expected to be available by 30 September 2025.



WATER SUPPLY AUGEMENTATION (CONT.)

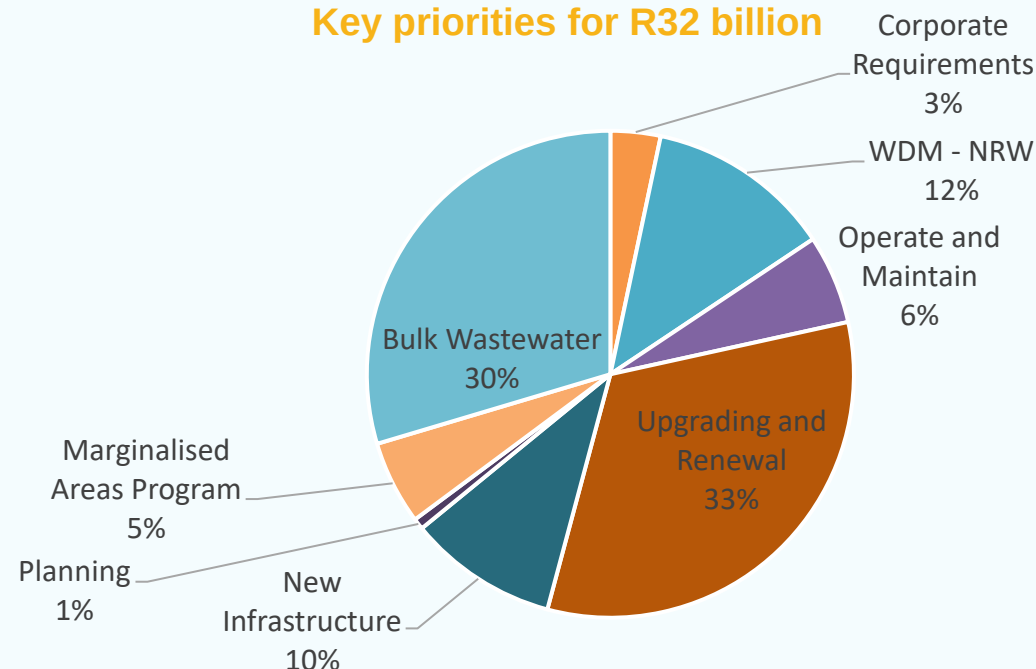
- ❑ The reuse of treated effluent is the process of treating wastewater to a quality suitable for reuse, such as irrigation, industrial processes, and potable use.
- ❑ JW has initiated a **reclamation and reuse project** which will be implemented through a **Public-Private Partnership model**.
- ❑ **JW and GTAC (National Treasury)** entered into an agreement for the procurement of Transaction Advisory (TA) services.
- ❑ The TA for the reclamation and reuse project was **appointed in April 2025**.
- ❑ The project is at inception stage, and the **feasibility study** will be completed in May 2026.

10-YEAR INVESTMENT PLAN

10 – YEAR INVESTMENT PLAN

	10-year investment plan
	R'000
Corporate Requirements	1 081 500
Water Demand Management	4 007 757
Operate and maintain	1 925 300
Upgrading and Renewal	10 614 771
New Infrastructure	3 230 178
Planning and Engineering Studies	238 500
Marginalised Areas Program	1 810 000
Bulk Wastewater	9 636 759
Grand Total	32 544 765

Key priorities for R32 billion



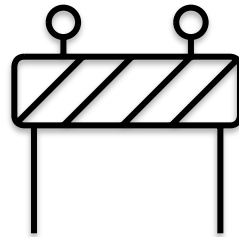
- ❑ The key focus areas for the next **10 years** will be the upgrading and renewal of infrastructure (**33%**) as well as investment in treatment plants (**30%**).
- ❑ The renewal of infrastructure will also assist in improving the infrastructure failure rate that has led to high water losses
- ❑ The plan is to allocate **R4 billion** to support the water demand management strategy of which **64%** is to be spent in the first four years.

KEY CAPITAL INFRASTRUCTURE: 2025/26

- ❑ Johannesburg Water has a backlog infrastructure of about **R32.5 billion**.
- ❑ In the 2025/26 FY the Entity has a capital budget of **R1.7 billion** to invest in infrastructure. The budget increased from the 2024/25 budget of **R1.29 billion**.
- ❑ The budget drives the implementation of key projects which includes (but are not limited to):
 - Water demand management programme which is aimed at infrastructure upgrade (secondary mains), retrofitting of on property leaking fixtures and STS metering (the **cost drivers** are Cosmo City, Orange Farm, Soweto and meter replacement). About **R180 million** has been budgeted in the current FY.
 - Increasing storage capacity by **80MI** through construction of new Reservoirs and Towers (Halfway House Res, Carlswald Res, Robertsville Tower, Linbro Tower, Woodmead Res and Forest Hill Tower). This includes Brixton Reservoir **26MI** and tower nearing completion and Errand tower **2MI** nearing completion. About **R310 million** has been budgeted in the current FY.
 - Refurbishment of leaking reservoirs commencement of **phase 1 (17 reservoir complexes)**. The contractors have been appointed for two reservoirs (Meadowlands & HH2) and the rest are aimed to be awarded by November 2025 (Aeroton, Dunkeld, Yeoville, Jabulani, Power Park, Ennerdale, Alexander Park, Crown Gardens, Modderhill, Lenasia Cosmos, Marlboro, Helderkruijn, Linden 1, Erand and HH1). About **R350 million** has been budgeted in the current FY.

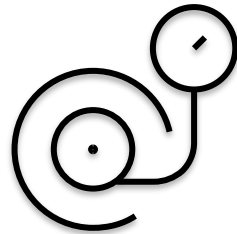
- ❑ Acceleration of water pipe replacement programme of which **85km** of aged network targeted.
- ❑ Improving efficiency and compliance (addressing directives) to water use license through Bulk Wastewater Infrastructure Renewal at various WWTWs (NW-Belt presses, BK IRP, Van Wyk Pumpstation). The investment includes completing of the Civils works at Northern Works for additional **50MI capacity**. The investment is about **R215 million** in the current FY.
- ❑ Procurement of **20 jetting trucks** to improve the sewer network performance.

Communication Activities



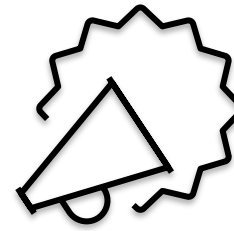
Daily Notices

Updates on planned and unplanned maintenance.
(2X per day)



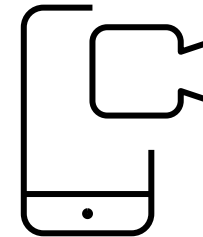
Supply Status Updates

Reporting on the status of reservoirs and towers.
(3X per day)



Media Statements

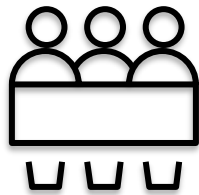
Issued during crises, each accompanied by a voice recording for clarity and accessibility



Educational Content

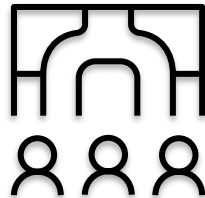
Production of videos and/ graphics tailored for social media platforms to inform and educate residents

Stakeholder Engagement



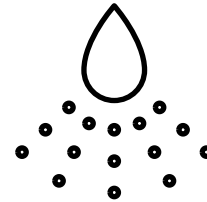
Regular Meetings

Physical and hybrid meetings with councilors.



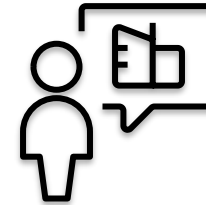
Community Meetings

Public meetings for community engagement.



Alternative Supply

Inform councilors and communities of water locations.

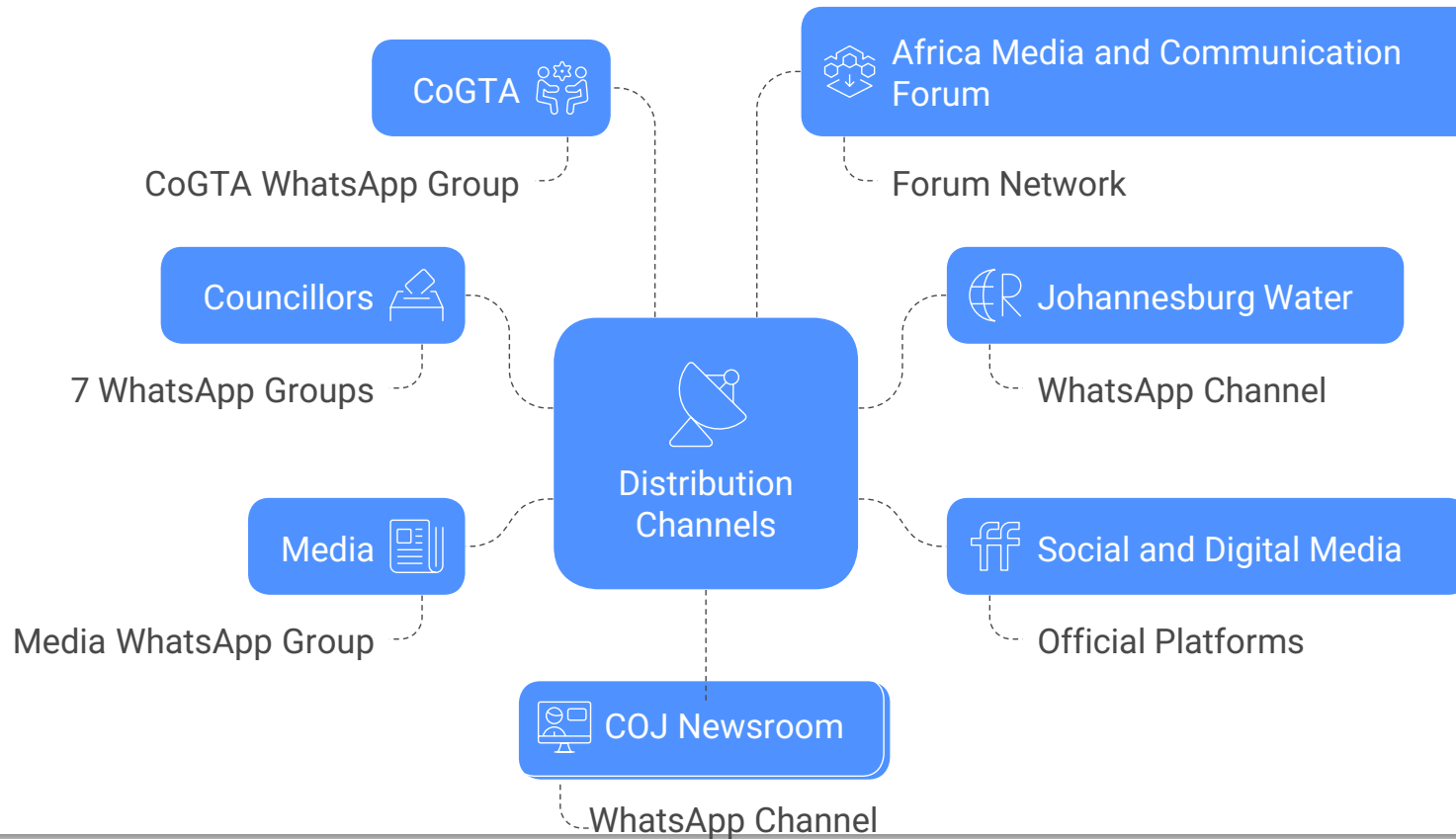


Outreach & Education

Officers educating communities on water conservation.

COMMUNICATIONS

All notices are shared with the following stakeholders





a world class african city



THANK YOU