

MONTHLY DASHBOARD FOR A WATER SECURE GAUTENG

28 July 2025

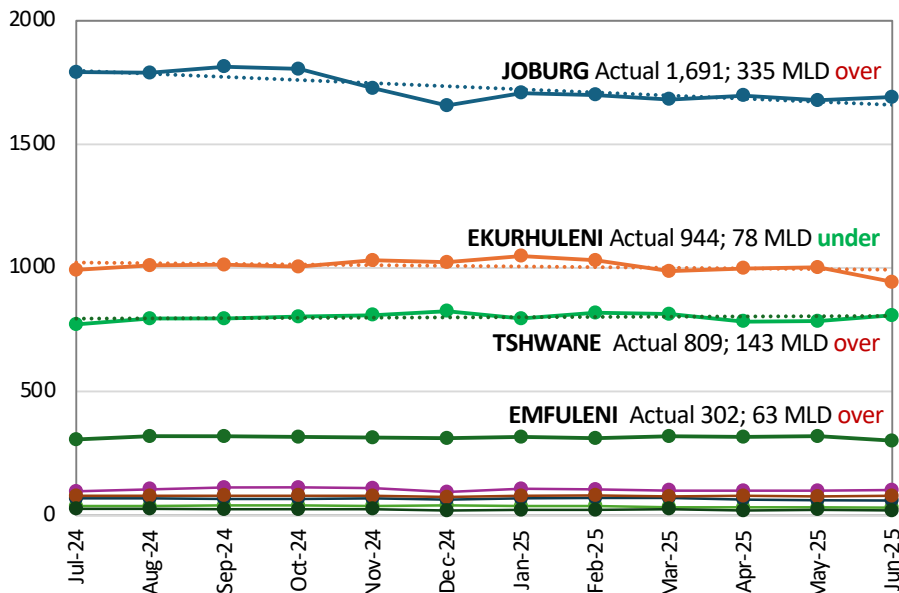
1. OVERALL WATER CONSUMPTION: Metros, Emfuleni, smaller municipalities monthly metering data for June shown below

	TOTAL RW	Joburg	Ekurhuleni	Tshwane	Emfuleni	Mogale City	Midvaal	Merafong	Rand West	Lesedi
June Ave Daily Use (MLD)	4,035	1691	944	809	302	101	31	60	79	20
May Ave Daily Use (MLD)	4,079	1679	1003	785	320	99	32	61	77	23
April Ave Daily Use (MLD)	4,091	1698	999	784	317	99	31	65	78	20
WUE Target Use (MLD)	3,604	1,356	1,022	666	239	93	28	86	91	23
DIFFERENCE (MLD)	431	335	78	143	63	20	12	20	12	3
% From target use	12%	25%	-8%	21%	26%	21%	43%	-23%	-14%	-13%
Gross Per capita use (lcd)	285	277	232	251	418	311	420	337	301	201
Increase/Decrease from previous	↓	↑	↓	↑	↓	↑	↓	↓	↑	↓

* ↓ Decrease from last week, but above target ↑ Increase from last week, but in target ↓ Decrease, within target ↑ Increase

- Month on month, total water use decreased slightly in June, exceeding the water use efficiency (WUE) target by 12% or 431 MLD
- Monthly meter readings are used for billing and cover all municipalities whereas weekly meter readings are for major users only.

2. TREND IN MONTHLY CONSUMPTION / WATER USED – CURRENT FINANCIAL YEAR-TO-DATE (million litres per day = MLD)

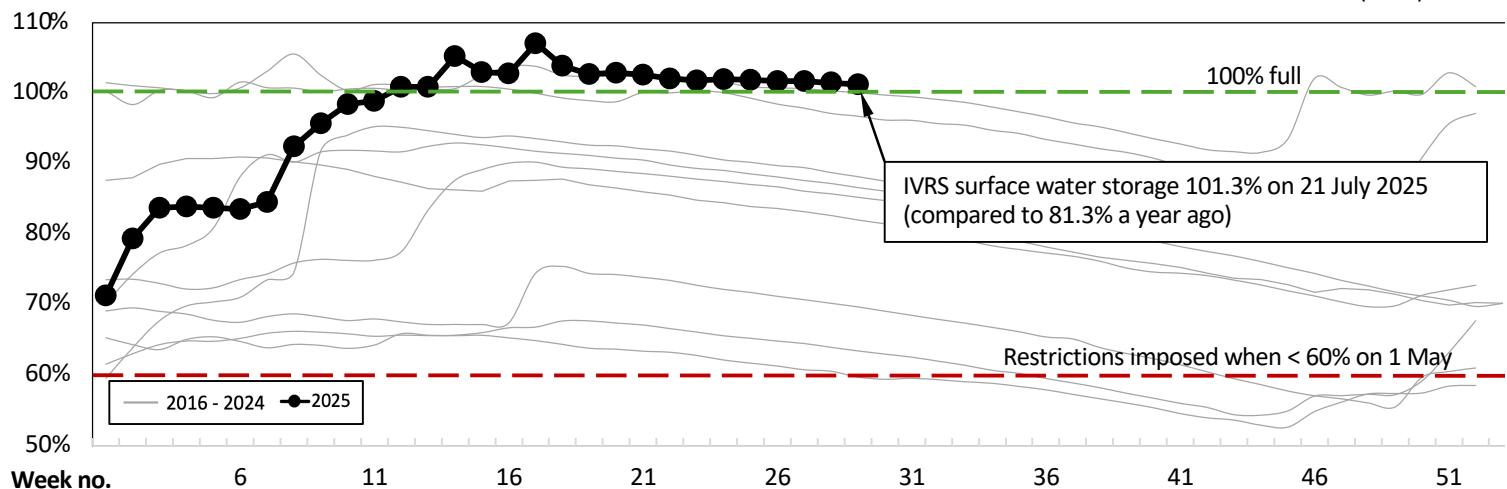


	Monthly average 2023/24	Monthly average 2024/25	Year-on-year change
Joburg	1,777	1,729	-2.7%
Ekurhuleni	986	1,008	2.2%
Tshwane	741	801	8.1%
Emfuleni	288	314	9.2%
Mogale City	100	103	3.5%
Midvaal	36	36	1.3%
Merafong	72	66	-8.0%
Randwest	78	78	0.5%
Lesedi	23	23	1.0%

3. IVRS SYSTEM STATUS: The 10-year view of combined surface water storage shows that the system is spilling for the 18th week, currently at 101% storage and above average for this time of year. The Vaal Dam decreased slightly to 106.7% on Tuesday with several sluices open. The total annual allocation was exceeded by 12.5%, or 200 Mm³ last year. Extrapolating data for May and June, the annual allocation will be exceeded by even more in the current hydrological year.

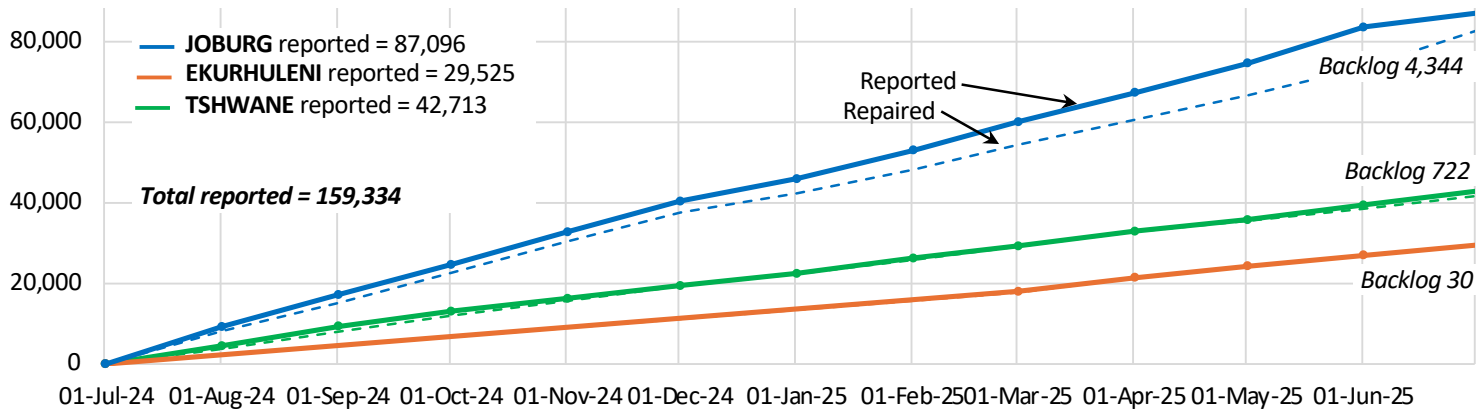
DWS Annual Allocation	=	1,600
2022/23 Abstraction	=	1,750
2023/24 Abstraction	=	1,793
2024/25 Abstraction	=	1,800
2025/26 Abstraction YTD	=	300
2025/26 YTD extrapolated	=	1,802

Values in million cubic metres (Mm³)



WATER LEAKS, OUTAGES AND RESERVOIR LEVELS

4. METRO FINANCIAL YEAR LEAK REPORTING: Leaks and bursts for the financial year ending on 30 June 2025 shown here. Nearly 160,000 leaks were reported, of which 97% were attended to by the end of the period. Note that data discrepancies may be caused by frequent duplicate leak reporting (when many customers report the same leak), as well as a delay in the admin process to close the notification once repairs are complete. This can result in inaccuracies in the backlog reflected.

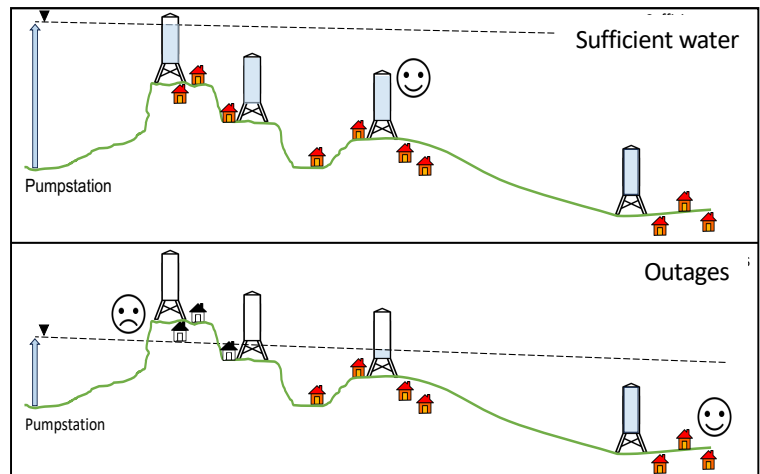


Each metro has a different system of logging, attending to, & closing notifications related to bursts / leaks. A back-office process is required to confirm that work has been done prior to closing works orders. Some leaks are reported repeatedly, and the admin process may take a while to update once repairs are complete. The size and complexity of the water reticulation systems also varies both between municipalities and suburbs. The end-of-year reconciliation provides a reflection for the overall performance for 2024/25.

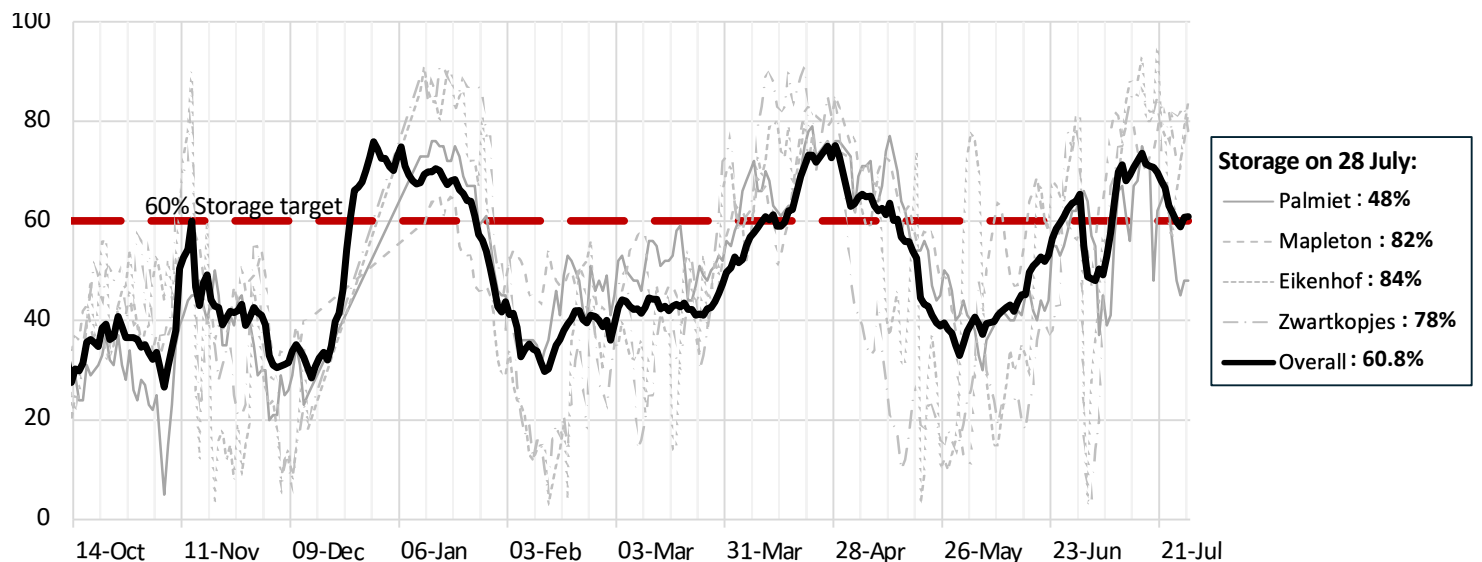
5. WATER OUTAGES: Water is distributed through a complex system of reservoirs, towers and networks. Outages are usually reported by reservoir.

When a sufficient volume of water is pumped into the system, all reservoirs can be filled, and all households have water. When there are breakdowns or excessive use, and there is too little water in the system, low pressure and intermittent supply is sometimes experienced, especially in high-lying suburbs.

Often, it is a struggle to stabilise reservoir levels as water drawn from the reservoir is more than the volume that can be supplied to the reservoir by the bulk supply. Usually, levels recover overnight when demand is lower, but responsible water use by everybody will lessen the burden on all areas.

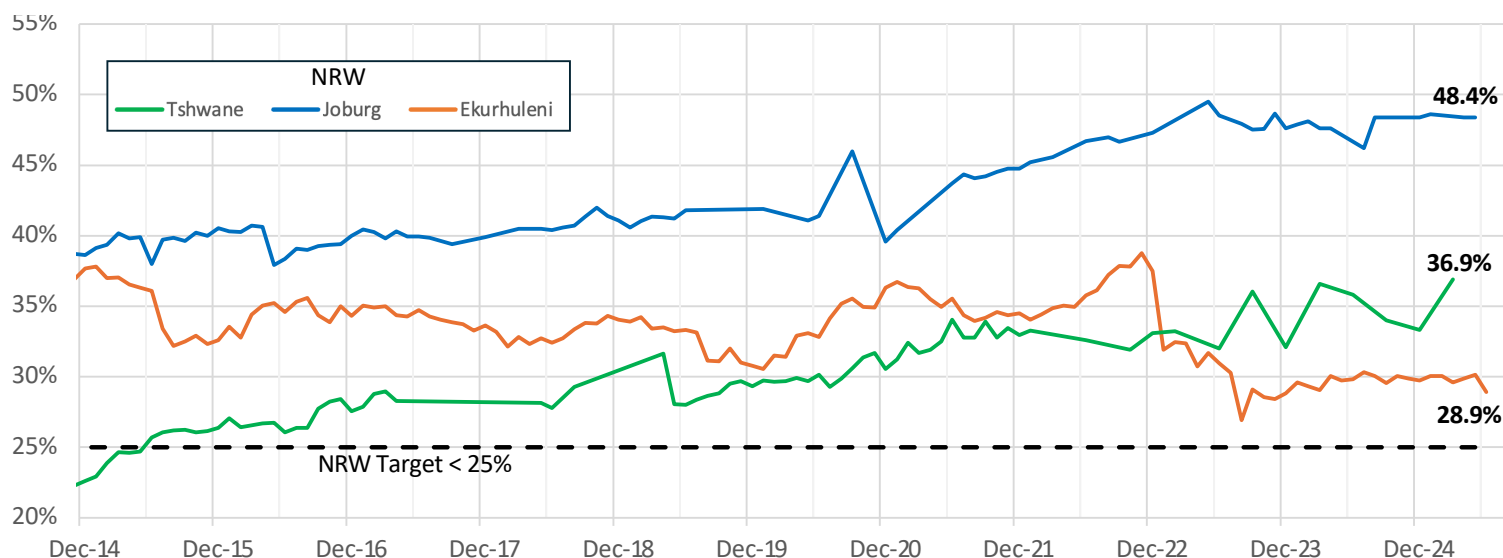


6. RESERVOIR STORAGE LEVELS: The graph indicates the percentage of water storage in the four main strategic Rand Water reservoir systems feeding into Gauteng since mid-October 2024. Palmiet comprises 59% of the total storage volume, Mapleton 23%, Eikenhof 11% and Zwartkopjes 7%. The overall target reservoir storage level (including all smaller reservoir systems too) is 60%, at which point the system has sufficient pressure to feed the entire area. The system has recovered to nearly 60% following planned maintenance when overall storage reduced to $\pm 48\%$ at the beginning of July which led to widespread outages.

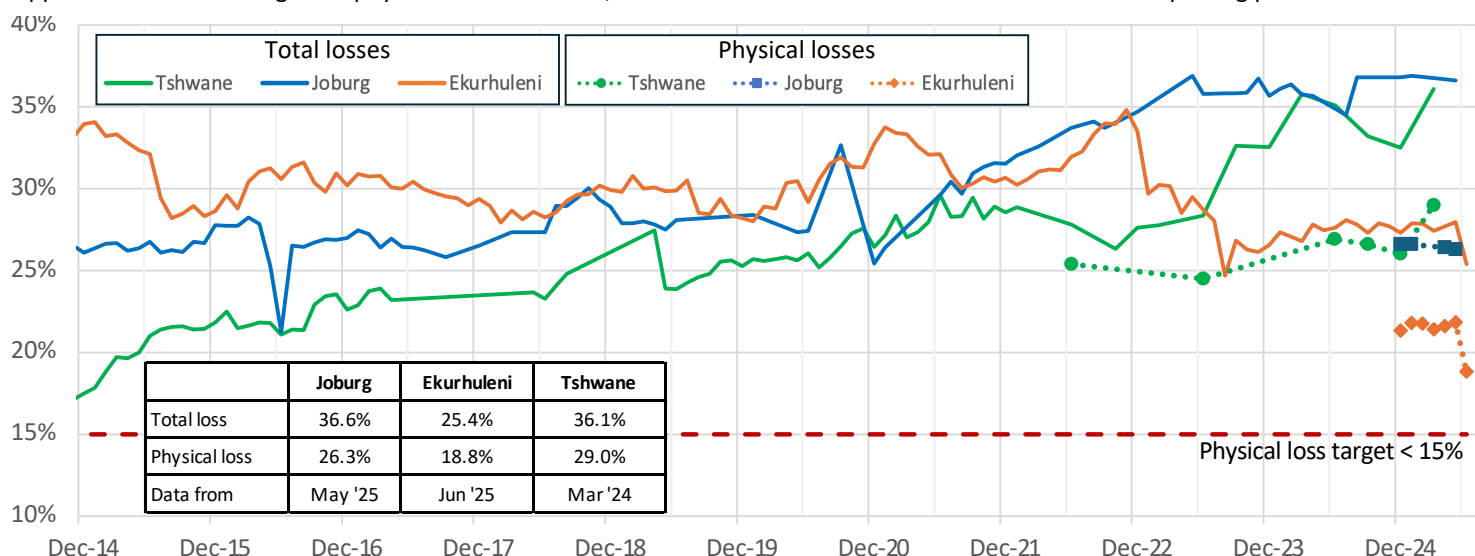


METROS WATER MANAGEMENT

7. NON-REVENUE WATER (NRW) 10-year TREND: This is the volume of potable water distributed for which the municipality receives no income*. The target for municipalities in SA is <25% but the actual NRW is much higher. Ekurhuleni has made progress to achieve <30%. Latest data for Joburg is for May, Tshwane is for March (June will be available end August), and June for Ekurhuleni.



8. WATER LOSSES 10-year TREND: This is the volume of water that runs to waste without any user using it as well as water stolen, or under-recorded by water meters. This includes leaks on mains, leaks and overflows on storage infrastructure and on service connections *outside private property boundaries*. The losses shown on the graph include both physical losses and commercial / apparent losses. The target for physical losses is < 15%, and shown below in dotted lines for the last few reporting periods.



9. PROGRESS ON METRO NRW REDUCTION INTERVENTIONS: The targets for 2025/26 have been set at the same values as the previous year, as implementation of the reduction programs are continuing as per the initiatives listed. Ekurhuleni reduced their overall losses for the financial year by an effective ±7 MLD. This is expected to increase in the year ahead as more of these projects are implemented. Tshwane replaced ±20,000 meters, progressed 7 pressure management projects and replaced nearly 10km of pipeline.

2025/26 NRW Reducing Initiatives	JHB	EKU	TSH
Leaking reservoir / tower infrastructure repair	x	x	
Repair / replacement of Zonal bulk meters	x	x	
Active/Passive leak detection	x	x	x
New pressure management zones and MNF	x	x	x
Retrofitting and removal of wasteful devices	x	x	
By-Law enforcement	x	x	
Water pipe replacement	x	x	x
Meter replacement	x	x	x
EXPECTED SAVING (MLD)	102	15	5

***NRW = Unbilled authorised use + Water losses**

Where Unbilled authorised use, includes:

- Unbilled metered use (e.g. municipal own use, supply to communal taps in informal settlements) and
- Unbilled, unmetered use (e.g. fire-fighting, flushing of mains and sewers, deemed/flat-rate consumption)

And Water losses = Apparent losses + Real losses

Where Apparent losses include:

- Metering inaccuracies (old meters under-read actual use)
- Unauthorised consumption (illegal connections and water theft)

JOBURG:

For information on water outages and to report leaks: <https://www.johannesburgwater.co.za/emergencies/>

Or call: 0860-JOBURG or find outage updates on X: <https://x.com/JHBWater>

Check for underground leaks by reading your meter regularly:

<https://joburg.org.za/services/Pages/City%20Services/Water%20and%20Sanitation/Water%20and%20Sanitation%20Links/Reading-your-own-meter.aspx>

Reading your utility bill and compare to water meter reading:

<https://joburg.org.za/services/Documents/Custom%20Service%202020/How%20To%20Read%20Your%20Municipal%20Bill%20Explained.pdf>

EKURHULENI:

For information on water outages:

- <https://www.ekurhuleni.gov.za/eku24-7-news/>
- On Twitter (X): @City_Ekurhuleni and @CoE_Call_Centre
- On Facebook: City of Ekurhuleni

Report leaks at:

- 0860 54 3000
- My COE App
- On Twitter (X): @CoE_Call_Centre

Resources for how to use water sparingly:

- <https://www.ekurhuleni.gov.za/eku24-7-news/>
- On Twitter (X): @City_Ekurhuleni
- On Facebook: City of Ekurhuleni

Utility bill information: <https://siyakhokha.ekurhuleni.gov.za/>

My CoE app : <https://www.ekurhuleni.gov.za/wp-content/uploads/2022/10/A3-Step-By-Step-Guide-To-Submitting-Your-Meter-Readings.pdf> or <https://www.ekurhuleni.gov.za/press-releases/utility-services/protect-your-water-meter-you-will-pay-for-negligent-damage-or-tampering/>

TSHWANE:

For information on water outages and to report leaks:

https://www.tshwane.gov.za/?page_id=953

Or call: 080 111 1556 Or whatsapp 087 153 1001

Or find outage updates on X: <https://x.com/CityTshwane>

Resources for how to use water sparingly:

- <https://waterwise.co.za/site/home.html>
- <https://www.dws.gov.za/campaigns/WaterUseEfficiency/ToolKit.aspx>
- <https://joburg.org.za/Campaigns/Pages/Campaigns/Savewater/Savewater.aspx>
- <https://www.tshwane.gov.za/?p=52404>

Seasonal weather forecast:

South Africa Weather Services publishes quarterly climate outlook report:

https://www.weathersa.co.za/Documents/SeasonalForecast/SCOLF202506_04072025134115.pdf

New Links to water outages & quality issues:

<https://watercan.org.za/nowatermap/>