



MONTHLY DASHBOARD FOR A WATER SECURE GAUTENG

30 January 2026

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Rev 01

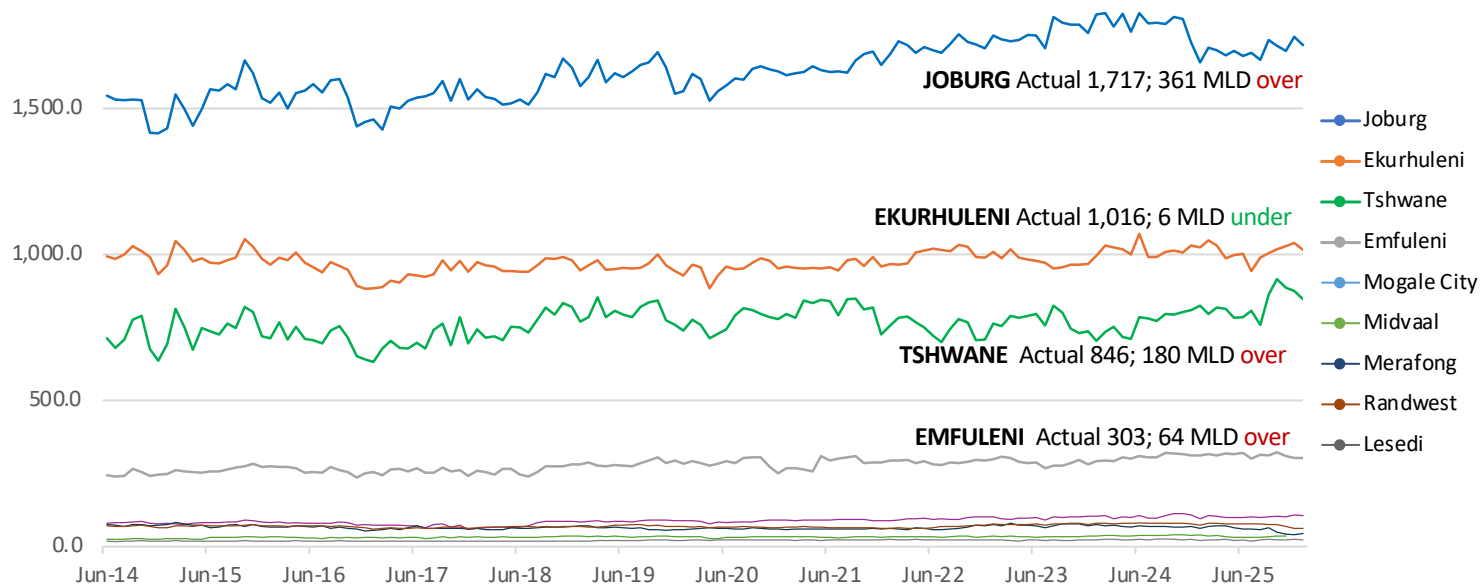
1. OVERALL WATER CONSUMPTION: Metros, Emfuleni, smaller municipalities monthly metering data for December shown below

	TOTAL RW	Joburg	Ekurhuleni	Tshwane	Emfuleni	Mogale City	Midvaal	Merafong	Rand West	Lesedi
Dec Ave Daily Use (MLD)	4,152	1717	1016	846	303	106	35	44	62	23
Nov Ave Daily Use (MLD)	4,235	1745	1040	875	304	109	35	41	62	24
Oct Ave Daily Use (MLD)	4,194	1698	1029	886	309	102	35	43	69	23
WUE Target Use (MLD)	3,604	1,356	1,022	666	239	93	28	86	91	23
DIFFERENCE (MLD)	548	361	6	180	64	13	7	42	29	0
% From target use	15%	27%	-1%	27%	27%	14%	26%	-49%	-32%	0%
Gross Per capita use (lcd)	293	282	250	260	420	311	420	337	236	201
Increase/Decrease from previous	↓	↓	↓	↓	↓	↓	↑	↑	↓	↓

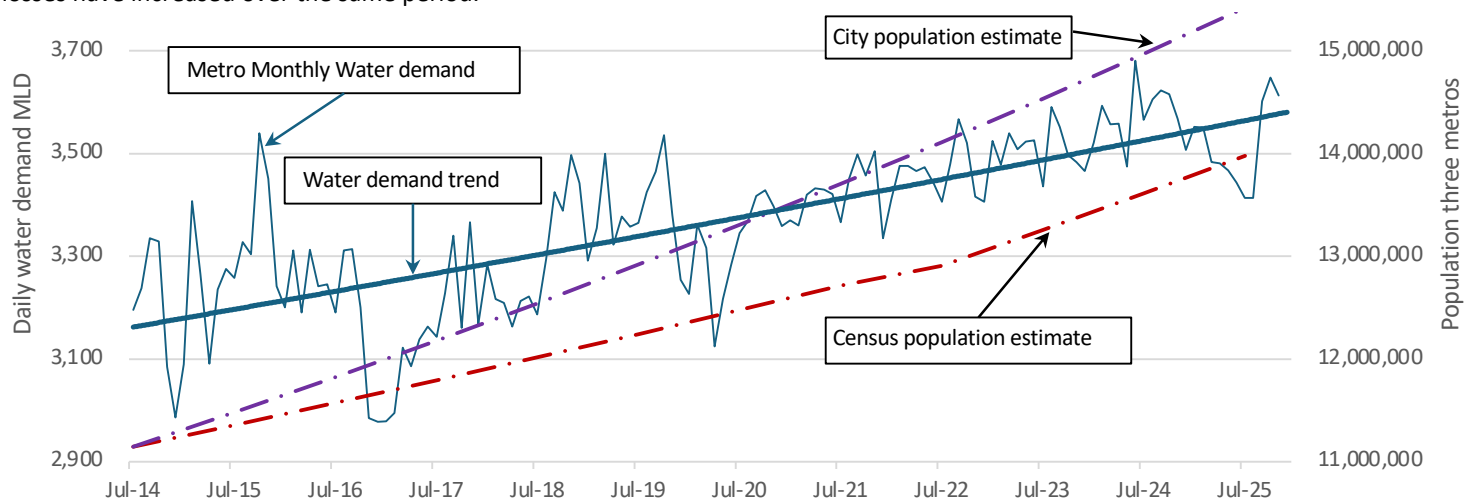
* ↓ Decrease from last week, but above target ↑ Increase from last week, but in target ↓ Decrease, within target ↑ Increase

- Month on month, total water use decreased in December, exceeding the water use efficiency (WUE) target by **15% or 548 MLD**
- Monthly meter readings are used for billing and cover all municipalities whereas weekly meter readings are for major users only.

2. MONTHLY CONSUMPTION / WATER USED – 2014 to CURRENT (million litres per day = MLD)

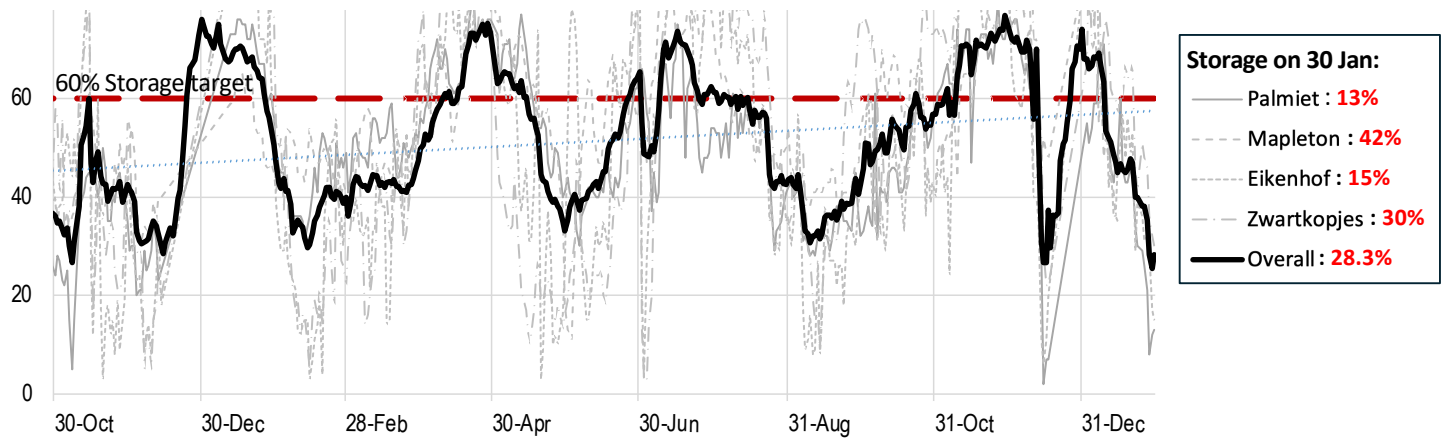


3. WATER DEMAND AND POPULATION GROWTH 2014 to Dec 2025: The graph below tracks water supplied by RW to the three metros since 2014, plotted against population. The StatsSA Census figures indicate an annual growth rate of 2.7% since 1996, while the metro's own data provides an annual growth rate of $\pm 3\%$. This results in a combined population in 2025 of ± 15.5 million as estimated by the Cities vs ± 14 million as provided by StatSA. In contrast, water supplied has increased at a much lower growth rate, $\pm 0.9\%$ per year. Over the same period, NRW has increased at $\pm 2.3\%$ per year. This means that the gross per capita use has decreased since 2014, as the increase in population is larger than the increase in water use. Furthermore, the net per capita use has decreased more as NRW and losses have increased over the same period.

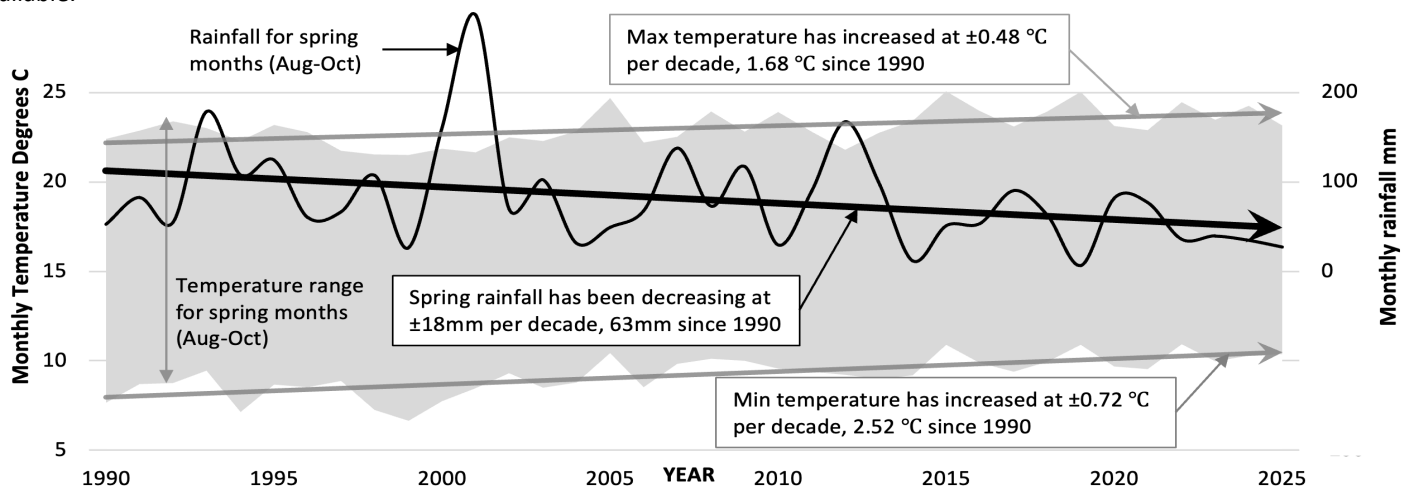




4. RESERVOIR STORAGE LEVELS: The graph indicates the percentage of water storage in the four main strategic Rand Water reservoir systems feeding into Gauteng since mid-October 2024. Palmiet comprises 59% of the total storage volume, Mapleton 23%, Eikenhof 11% and Zwartkopjes 7%. The overall target reservoir storage level is 60%, at which point the system has sufficient pressure to feed the entire area. The system has been below 60% for 3 weeks. An incident at Zuikerbosch on 27 January exacerbated the low storage but from 29 January, all pumpstations are operational and the main systems are recovering. Please use water sparingly to aid recovery!

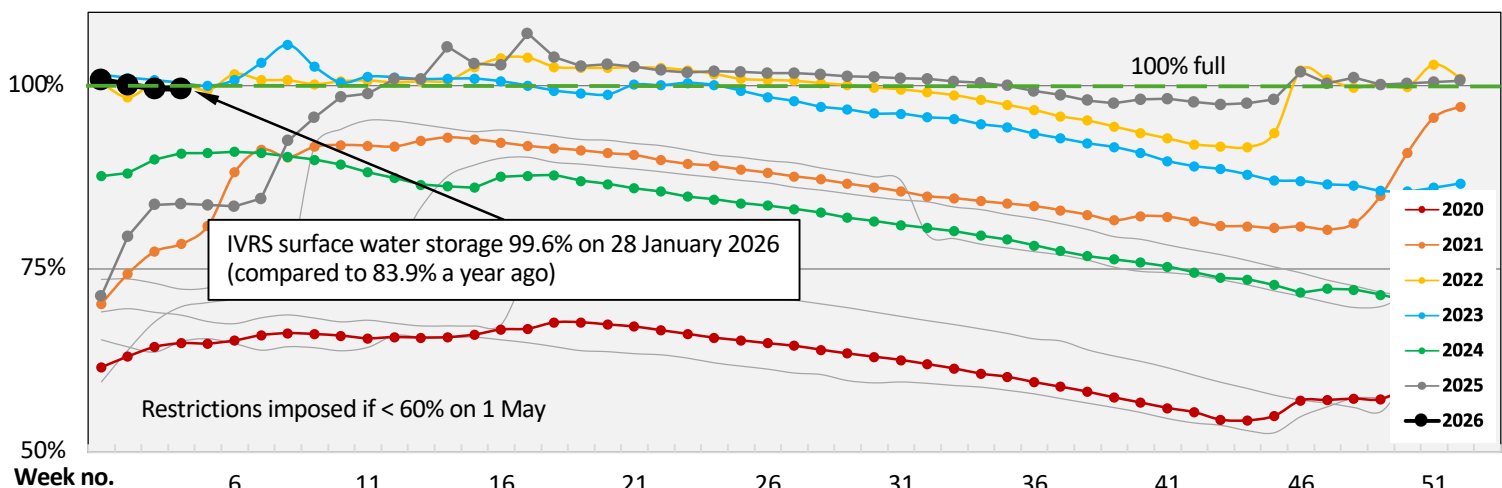


5. SPRING TEMPERATURES AND RAINFALL*: There appears to be a correlation between water use, temperature, and rainfall. This is especially true when seasons change: hot and dry weather leads to an increase in external water use, where water is available. The graph below tracks the average minimum and maximum temperatures, and rainfall for the spring months of August, September, and October, from 1990 to present. It is evident that there has been an increase in both minimum and maximum temperatures, together with a decrease in rainfall. This supports the hypotheses that the spring spike water outages can be related to an increase in use in areas where water is available.



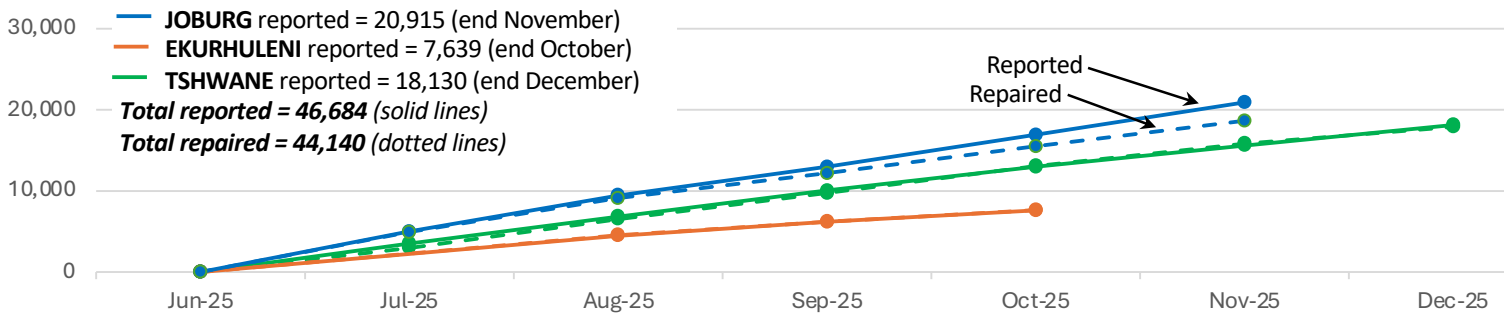
* Weather data provided by SAWS for 1990 to present at OR Tambo

6. IVRS SYSTEM STATUS: The 10-year view of combined surface water storage shows that the system is currently spilling and above average for this time of year, having dropped below 100% briefly. The Vaal Dam remained close to 100% since March '25. The total annual allocation was exceeded by 12.5%, or 200 Mm³ last year, and is on-track to exceed this by nearly 200 million cubic meters in the current year as well. *PLEASE CONTINUE TO USE WATER SPARINGLY.*



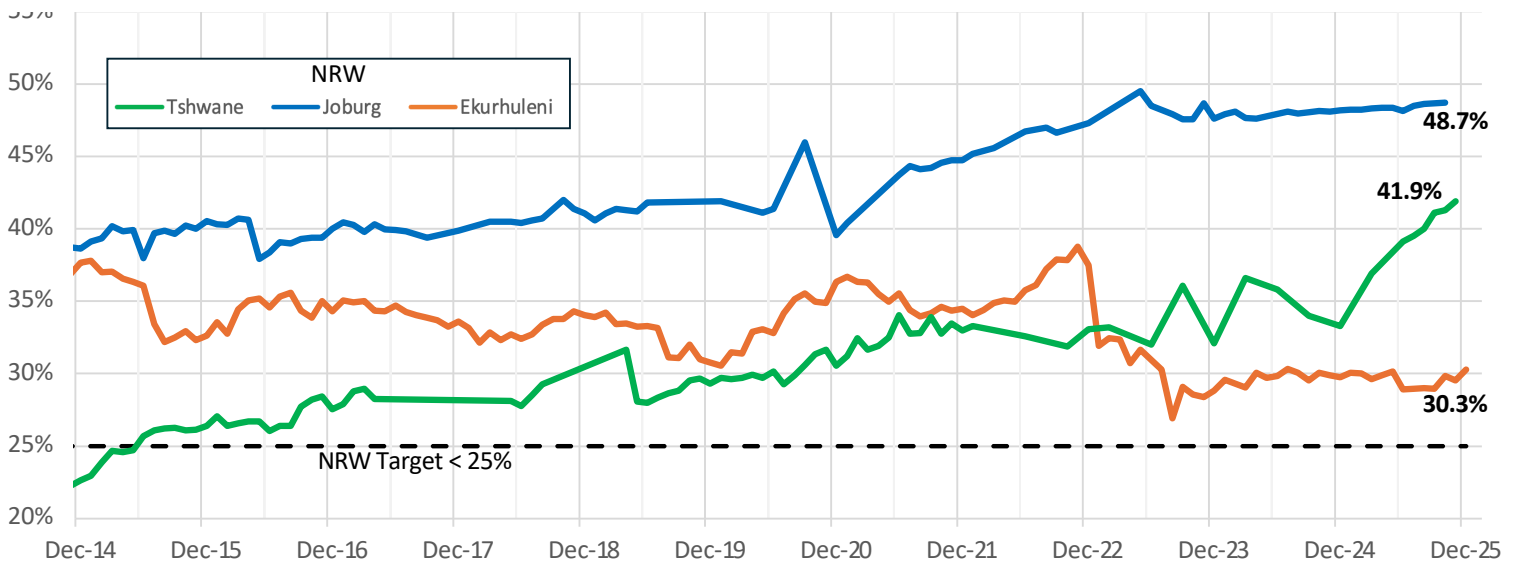


7. METRO FINANCIAL YEAR LEAK REPORTING: Leaks and bursts for the financial year starting on 1 July 2025 shown here. The metros are reconciling data before reporting, but it is expected that data will be available at the time of publication of the mid-February dashboard.

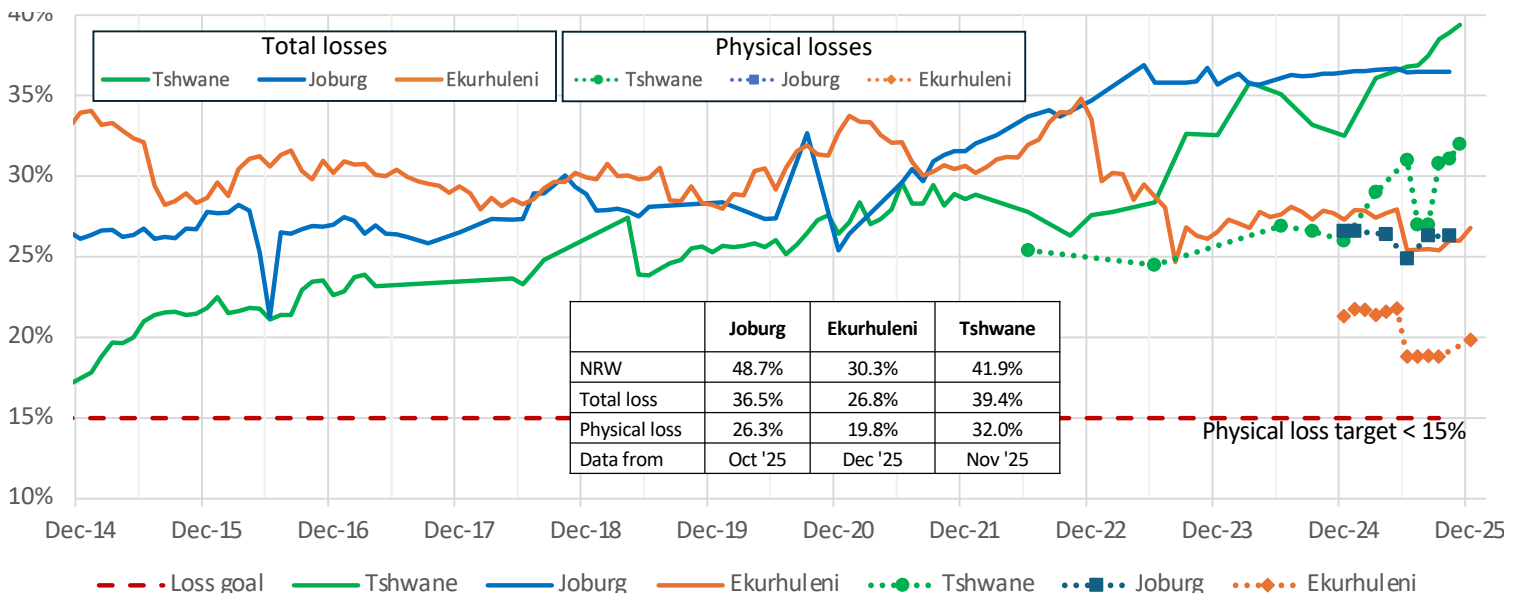


Each metro has a different system of logging, attending to, & closing notifications. Some leaks are reported repeatedly, and the admin process may take a while to update once repairs are complete. The size and complexity of the water reticulation systems also varies both between municipalities and suburbs. This can result in inaccuracies in the backlog reflected.

8. 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 Ekurhuleni is for September, August for Tshwane, and June for Joburg.



9. 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.





***NRW = WATER LOSSES + Unbilled authorised use**

Where:

WATER LOSSES = Real losses + Commercial losses

and **Unbilled authorised use**, includes:

- Unbilled metered (e.g. municipal use, communal taps in informal settlements)
- Unbilled, unmetered use (e.g. fire-fighting, flushing mains, sewers)

Real losses include:

- Leaks on mains
- Leaks and overflows on storage infrastructure
- Leaks on service connections outside the property boundary

Commercial losses include:

- Metering inaccuracies (old meters under-record actual consumption)
- Unauthorised consumption (illegal connections and theft)

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

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/>

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

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>

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/>