



MONTHLY DASHBOARD FOR A WATER SECURE GAUTENG

28 November 2025

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Rev 01

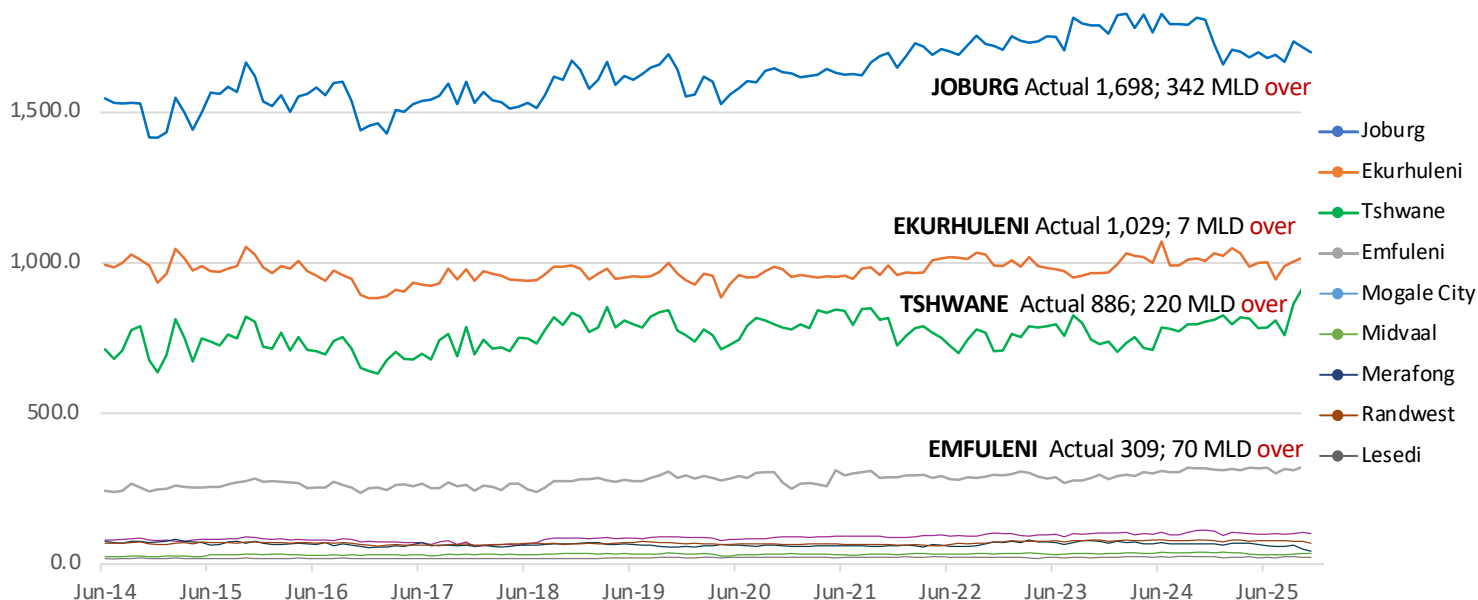
1. OVERALL WATER CONSUMPTION: Metros, Emfuleni, smaller municipalities monthly metering data for October shown below

| | TOTAL RW | Joburg | Ekurhuleni | Tshwane | Emfuleni | Mogale City | Midvaal | Merafong | Rand West | Lesedi |
|---------------------------------|----------|--------|------------|---------|----------|-------------|---------|----------|-----------|--------|
| Oct Ave Daily Use (MLD) | 4,194 | 1698 | 1029 | 886 | 309 | 102 | 35 | 43 | 69 | 23 |
| Sep Ave Daily Use (MLD) | 4,164 | 1705 | 1003 | 846 | 317 | 102 | 33 | 57 | 76 | 24 |
| Aug Ave Daily Use (MLD) | 4,212 | 1734 | 1004 | 863 | 313 | 102 | 33 | 63 | 75 | 25 |
| WUE Target Use (MLD) | 3,604 | 1,356 | 1,022 | 666 | 239 | 93 | 28 | 86 | 91 | 23 |
| DIFFERENCE (MLD) | 590 | 342 | 7 | 220 | 70 | 9 | 7 | 43 | 22 | 0 |
| % From target use | 16% | 25% | 1% | 33% | 29% | 10% | 25% | -50% | -24% | 0% |
| Gross Per capita use (lcd) | 296 | 279 | 253 | 270 | 428 | 311 | 420 | 337 | 264 | 201 |
| Increase/Decrease from previous | ↑ | ↓ | ↑ | ↑ | ↓ | Same | ↑ | ↓ | ↓ | ↓ |

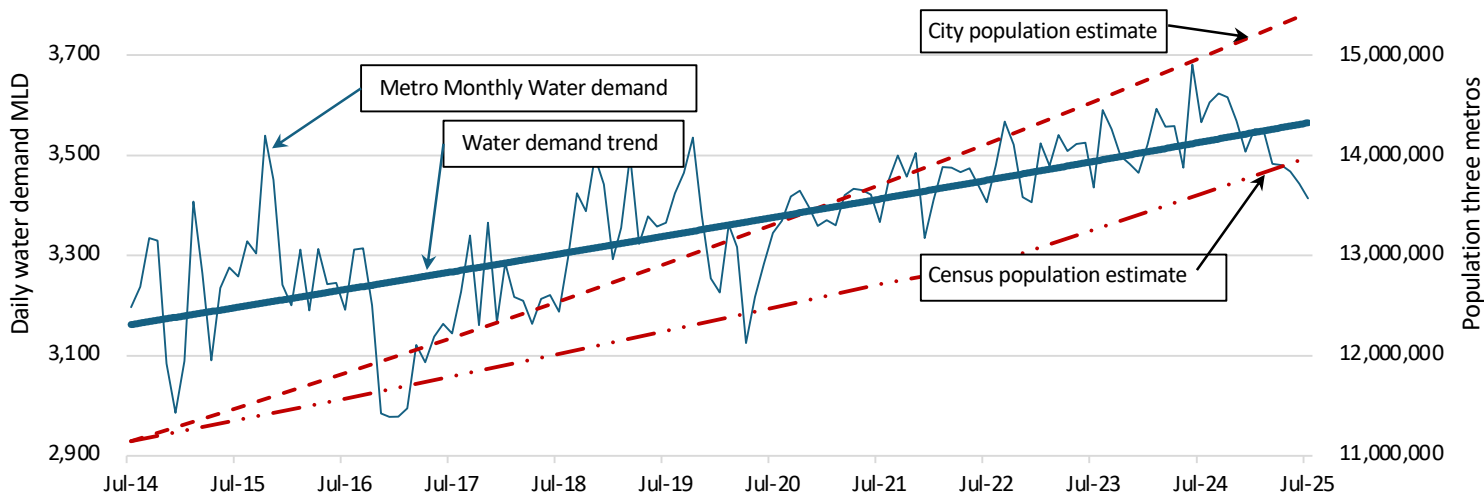
* ↓ Decrease from last week, but above target ↑ Increase from last week, but in target ↓ Decrease, within target ↑ Increase

- Month on month, total water use decreased in September, exceeding the water use efficiency (WUE) target by **16% or 590 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)

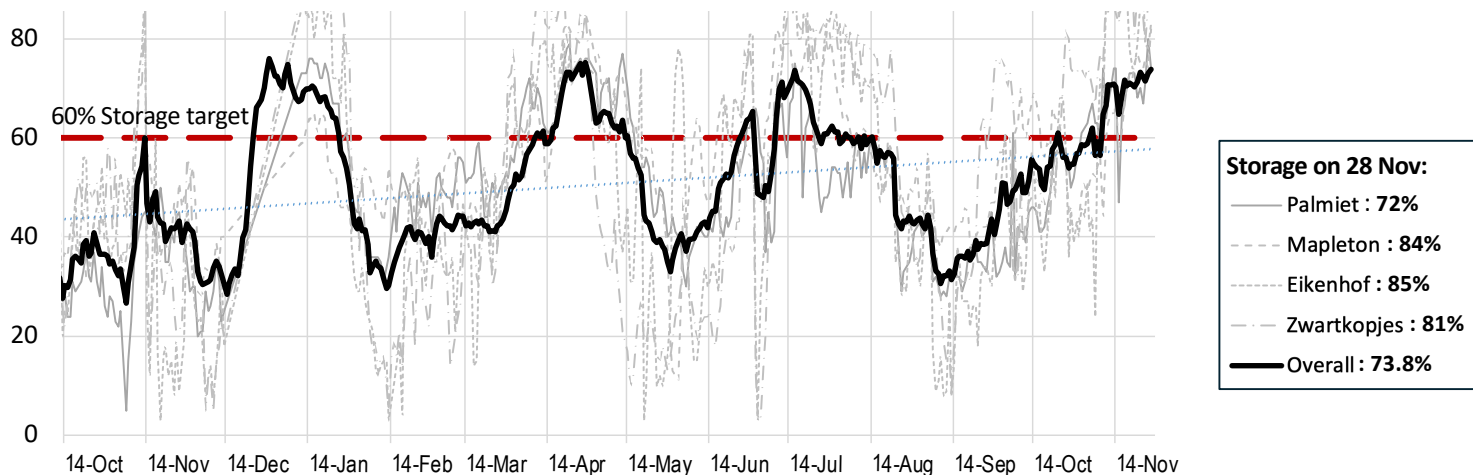


3. WATER DEMAND AND POPULATION GROWTH 2014 to July 2025: The graph below tracks water supplied by RW to the three metros since 2014, plotted against population. The StatsSA Census figures indicate an annual growth rate of 2.7% since 1996, while the metro's own data provides an annual growth rate of $\pm 3\%$. 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.

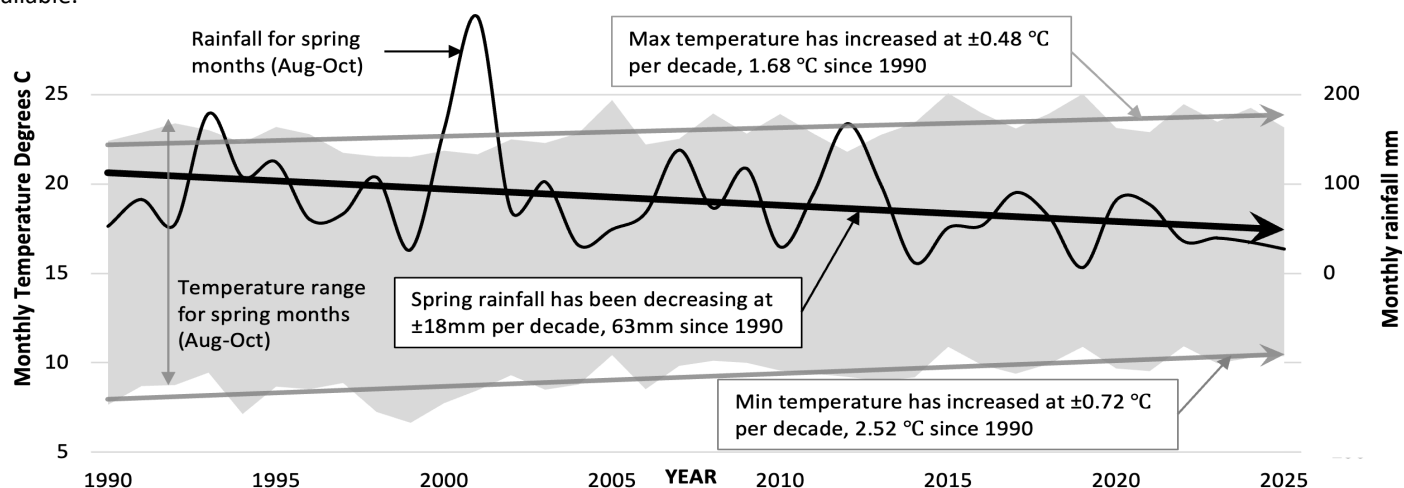




4. RESERVOIR STORAGE LEVELS: The graph indicates the percentage of water storage in the four main strategic Rand Water reservoir systems feeding into Gauteng since mid-October 2024. Palmiet comprises 59% of the total storage volume, Mapleton 23%, Eikenhof 11% and Zwartkopjes 7%. The overall target reservoir storage level is 60%, at which point the system has sufficient pressure to feed the entire area. The system has recovered to above 70% over the past two weeks which shows improved performance since last year.

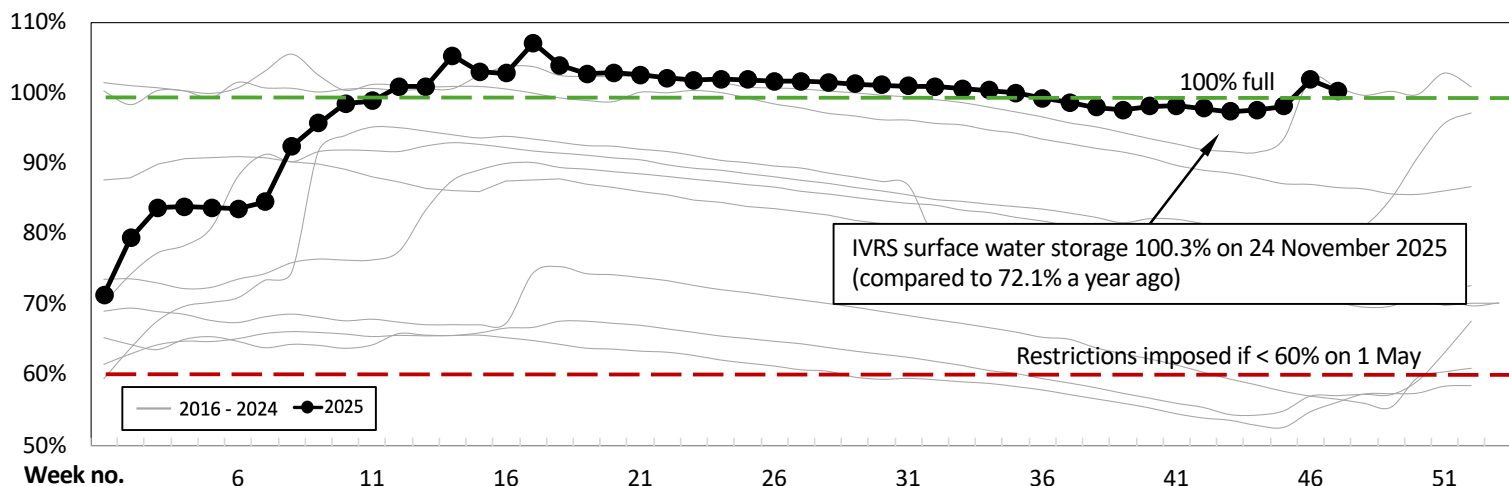


5. SPRING TEMPERATURES AND RAINFALL*: There appears to be a correlation between water use, temperature, and rainfall. This is especially true when seasons change: hot and dry weather leads to an increase in external water use, where water is available. The graph below tracks the average minimum and maximum 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.



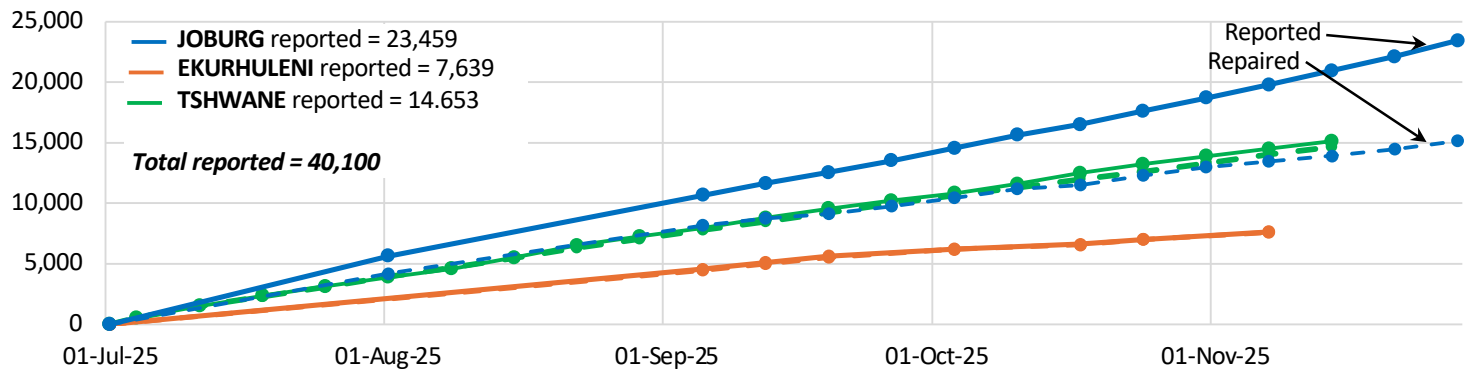
* Weather data provided by SAWS for 1990 to present at OR Tambo

6. IVRS SYSTEM STATUS: The 10-year view of combined surface water storage shows that the system is currently at 101.3% storage and above average for this time of year, having dropped below 100% briefly. The Vaal Dam remained steady at over 100% since March. The total annual allocation was exceeded by 12.5%, or 200 Mm³ last year. Temperatures for the coming week are forecast to be mild, with thundershowers, but to ensure that everyone has sufficient water, *PLEASE CONTINUE TO USE WATER SPARINGLY*.

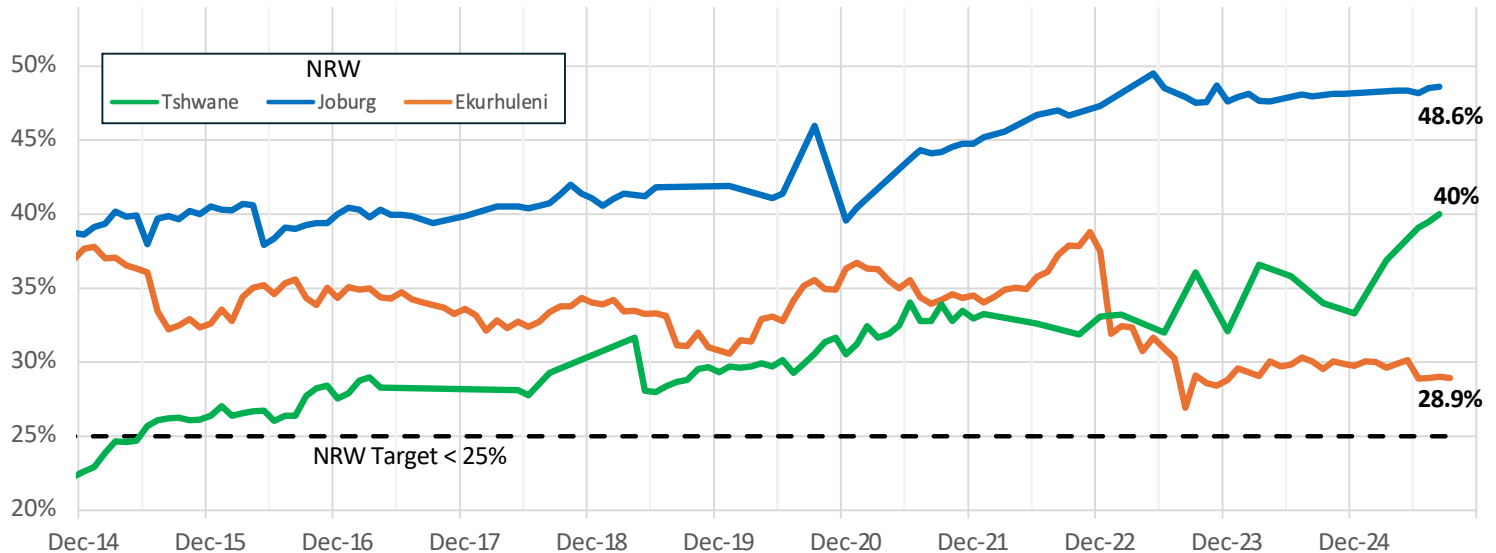




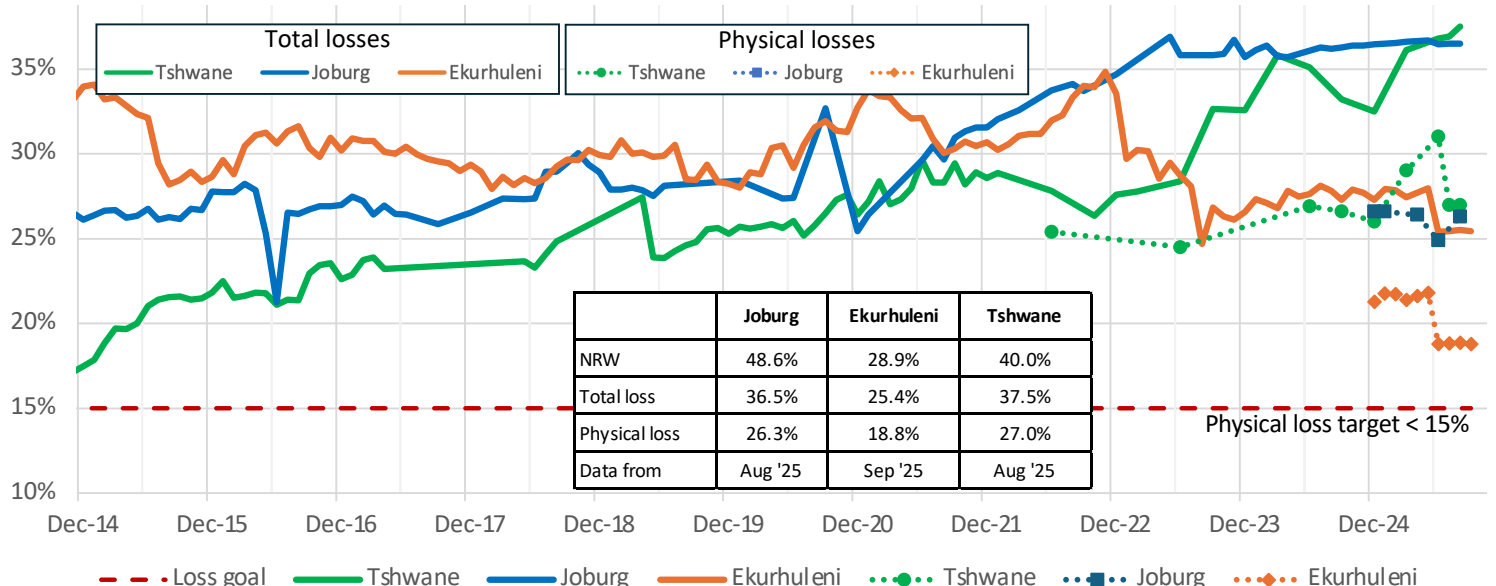
7. METRO FINANCIAL YEAR LEAK REPORTING: Leaks and bursts for the financial year starting on 1 July 2025 shown here. There has been a correction to Joburg data to include only leaks and bursts, and to exclude leaks at meters. Note that data discrepancies may also be caused by frequent duplicate leak reporting (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. Only Joburg submitted a report for this period.



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/Customers/Service%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/>