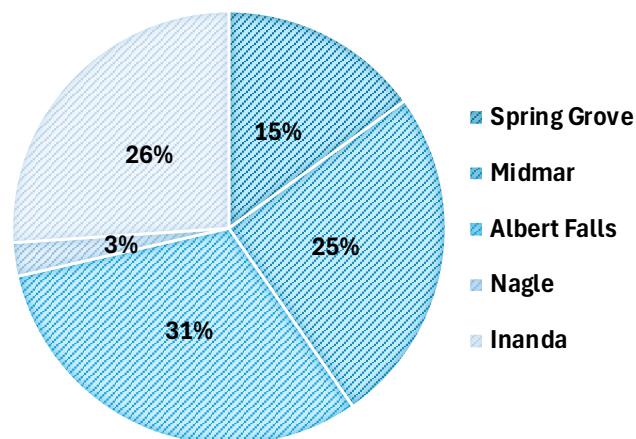


## WATER SUPPLY: where does our water come from?



### eThekweni water supply comes from 5 dams with a combined capacity of 929 million m<sup>3</sup>

- More than 98% of treated water is purchased from uMngeni-uThukela Water (UuW)
- The uMngeni water supply system has been over-abstracted by  $\pm 20\%$  over past years and the current restriction level requires an 8% saving in demand
- The applicable reconciliation strategy covers uMngeni, North Coast and Middle South Coast water supply systems
- $\pm 20\%$  spare water treatment capacity is available.

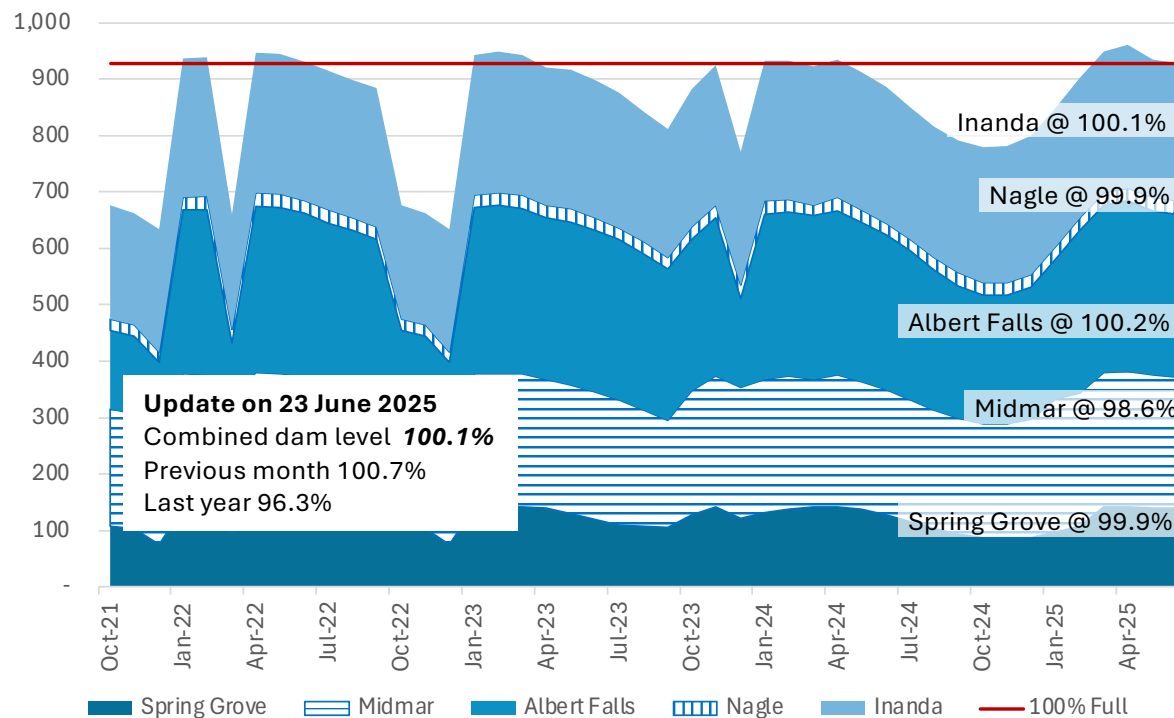
### Five new water sources to be provided over the next decade :

- The Lower uMkhomazi Water Project - 60MLD by 2028
- Water Re-use Plant at Southern Works - 10MLD by 2028
- Water Re-use Plant at Northern Works – 50MLD by 2030
- Water Re-use Plant at Kwamashu Works - 50MLD by 2030
- The Upper uMkhomazi Water Project - 400MLD by 2032.

These new schemes will provide an *additional 550 MLD* to the eThekweni region which is 50% more than the current demand of 1100ML/day – at current growth and improvement in NRW this will ensure security until 2060

### Storage volume (measured in Million cubic metres)

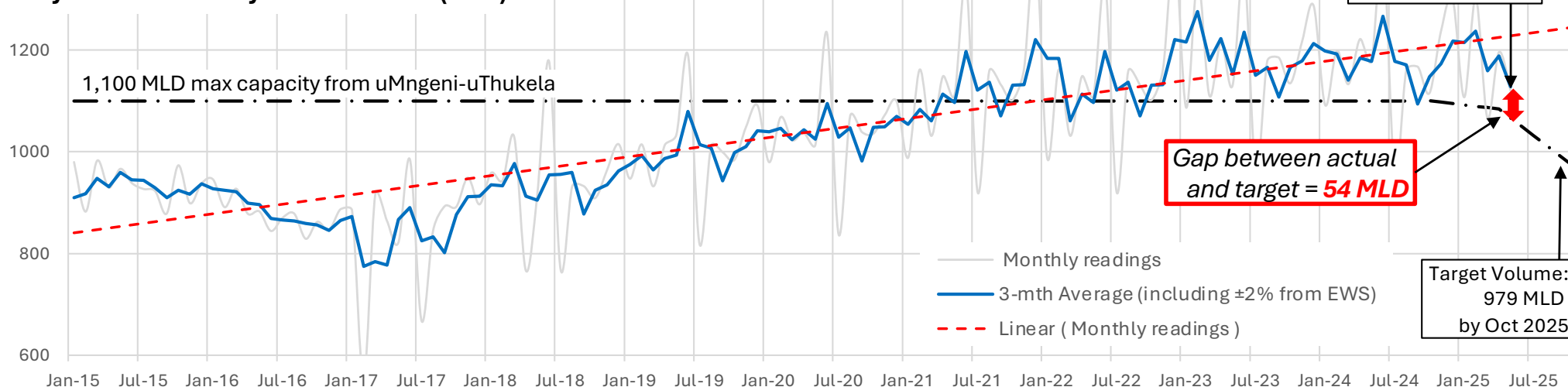
Dams are currently spilling, and slightly fuller than a year ago



## WATER DEMAND: how much water are we using?

- eThekwini has consistently used more than their licensed allocation – by  $\pm 90$  million litres per day (MLD) or  $\pm 8\%$  (last month using 108 MLD too much)
- Consumption data has been monitored since 2003. There have been major changes in consumption over time: droughts, Covid, non-revenue water impacts, new billing systems, SDG goal attainment and massive rural ingress.
- At the same time, population has been increasing around 2,5% pa, although growth has been far more rapid in some areas.

### 10-year trend of daily water demand (MLD)



### To reduce demand, the municipality has prioritised:

- Reducing losses – fix leaks, maintain infrastructure, system balancing, pressure management etc.
- Reducing NRW – install meters, stop water theft, illegal connections etc.

### At the same time, users (Households, Commerce, Industry) are encouraged to:

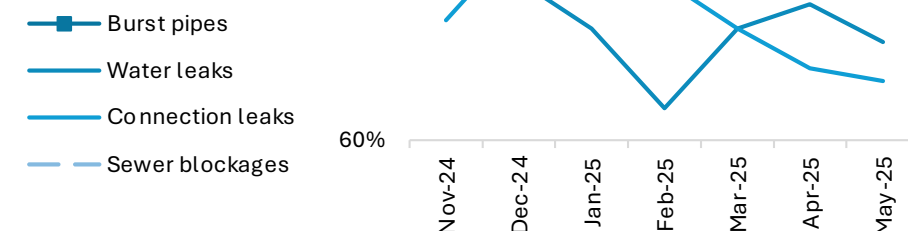
- Use water responsibly
- Find & fix leaks

### eThekwini aims to rapidly respond to fixing water & sewer faults:

#### Target to attend to 98% of reported faults within 48 hours for May 2025

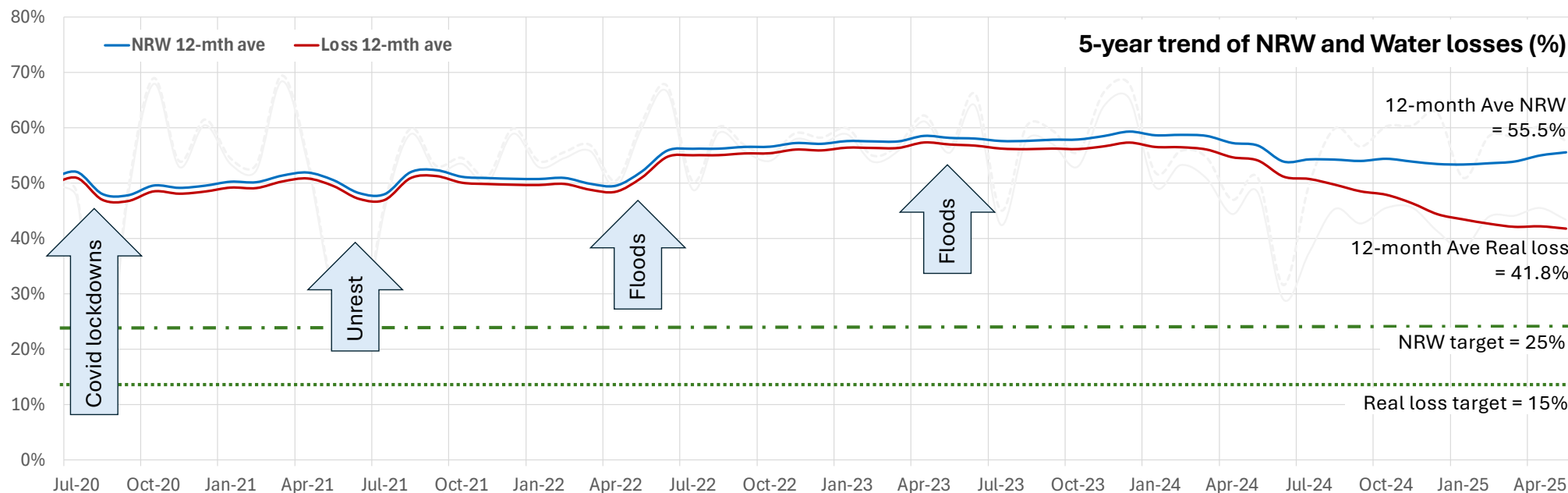
- 72% of the 6,260 reported water leaks
- 97% of the 872 burst pipes
- 67% of the 8,043 customer service connection leaks
- 92% of the 2,741 sewer blockages

### Fault response trend



## REDUCING LOSS AND NON-REVENUE WATER

Non-Revenue water (NRW) and water losses have been unacceptably high in eThekweni since at least 2020, when compared to targets of 25% for NRW and 15% for real losses in South Africa. High NRW and losses are typically due to poor infrastructure maintenance resulting in increasing burst & leaks, as well as reduced revenue due to meter management shortfalls. NRW also increased during external events such as COVID, political unrest, and repeated flood events.



**April NRW increased by 1.9% to 60.3% = WATER LOSSES + Unbilled authorised use.**

Where **WATER LOSSES** = **Real losses (43.4 % in May)** + **Commercial losses**

**Real losses** include:

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

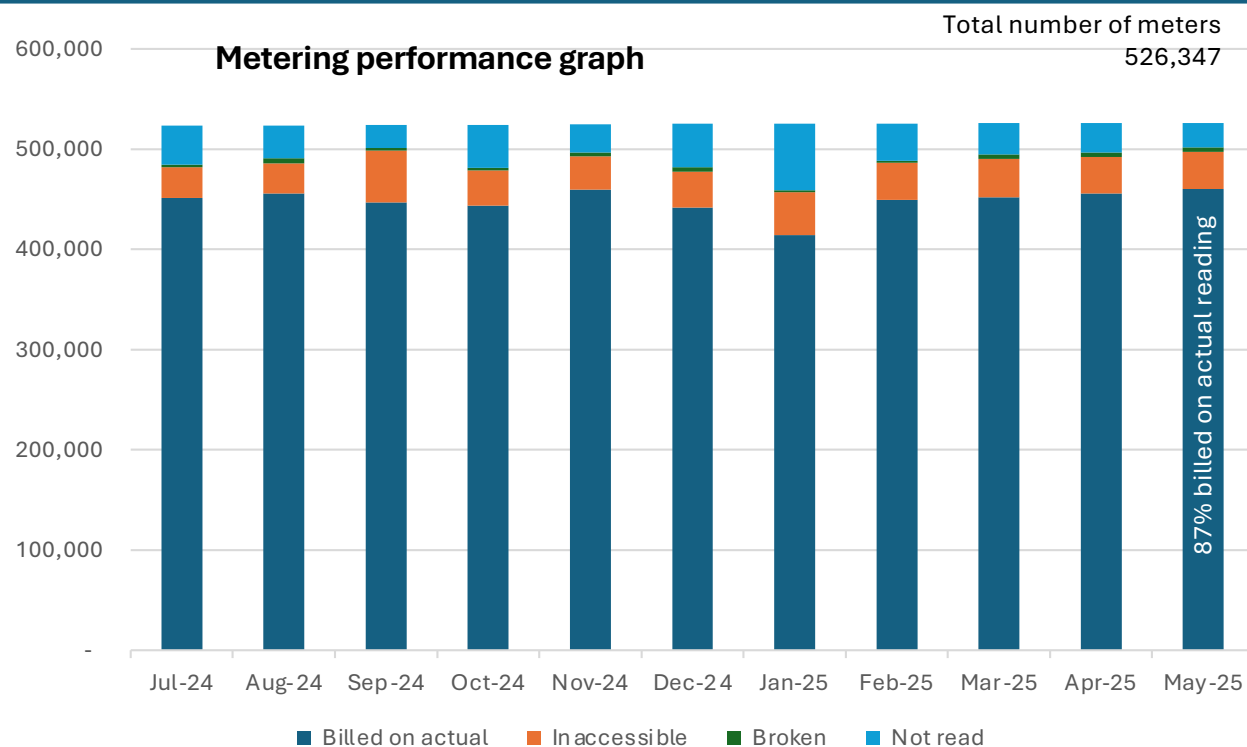
+

**Commercial losses** include:

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

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)

**METERING PERFORMANCE IN MAY**

- 103 flow limiters installed
- Disconnections – 7,450 in April (up from 3,322 in April)

Total number of meters = 526,347

- Billed on actual readings in May: steady at **87%**
- Estimations: 13%

Of the estimations:

- 56% is due to lack of access (36,804 meters)
- 1% of meters are faulty (4,304 meters)
- 43% are estimated for other reasons

## CONTACTS

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**MASONGE AMANZI UKUZE  
SIBENAWO NAKUSASA**

**Mobile phone app:**

The *app* is the preferred form of contact and is now available from Play Store for all Android versions and on Apple Store for IOS.

**Contact centre details:**

<https://www.durban.gov.za/pages/search/contact-us>

**Report a fault:**

<https://www.durban.gov.za/pages/faults/report-a-problem>

**Email:**

[eservices@durban.gov.za](mailto:eservices@durban.gov.za)

**X / Twitter:**

<https://twitter.com/eThekwiniM>

**Facebook:**

<https://www.facebook.com/eThekwiniM>

The latest **state of rivers** report is available at [here](#)

The above to report all water leaks, burst pipes, water and sewer faults, water quality problems and to make account enquiries. High call volumes can cause delays in response.

## USE WATER SPARINGLY

**TO ENSURE THERE WILL BE WATER FOR TOMORROW**

**073 1483 477**  
**080 311 1111**