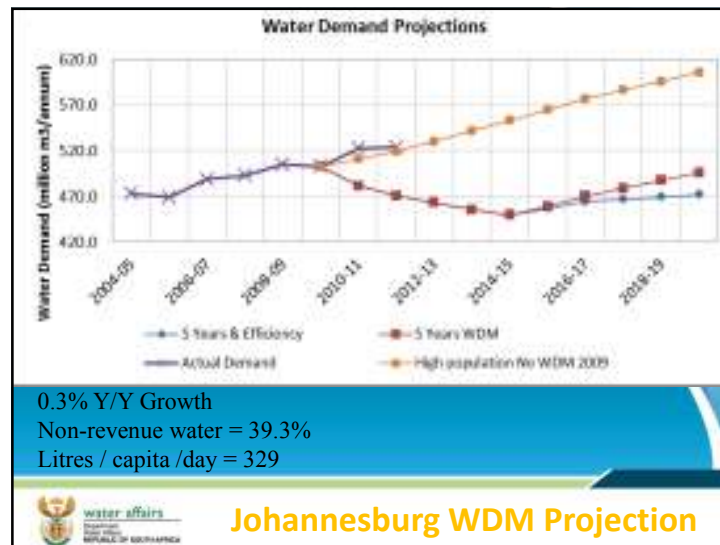


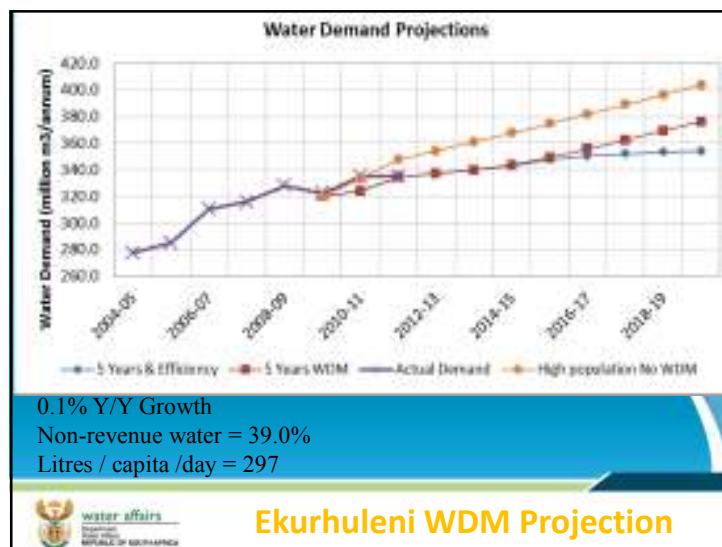
# VAAL RIVER SYSTEM RECONCILIATION STRATEGY STRATEGY STEERING COMMITTEE

Water Conservation & Water Demand  
Management Progress Report

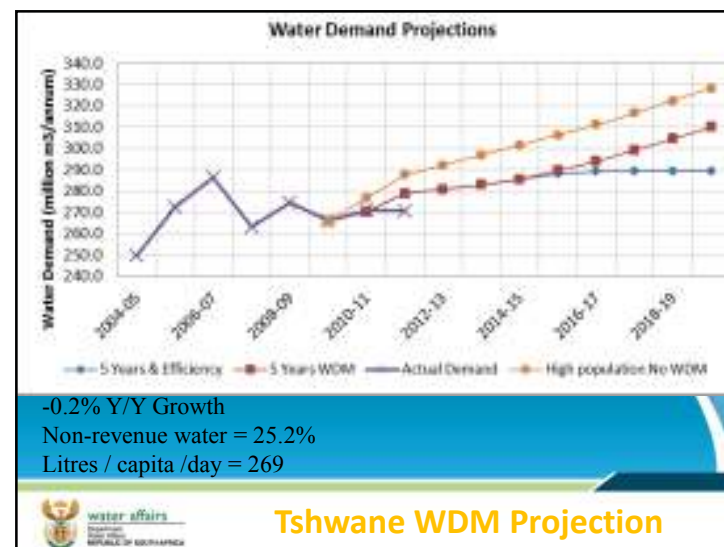
18 April 2012



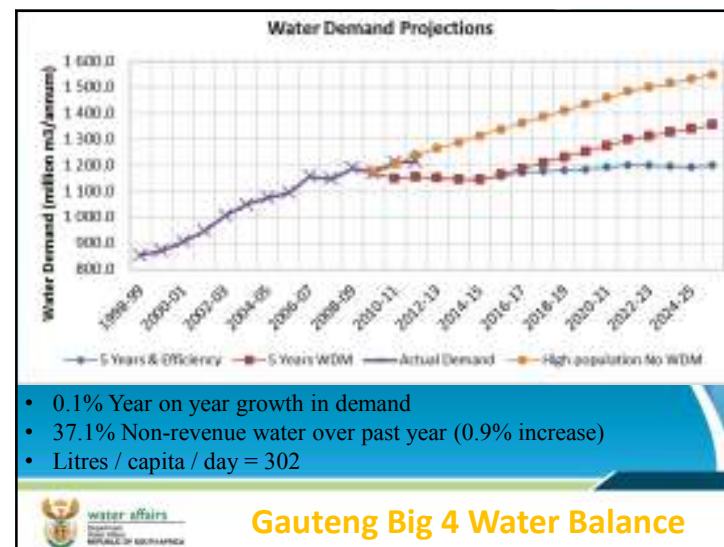
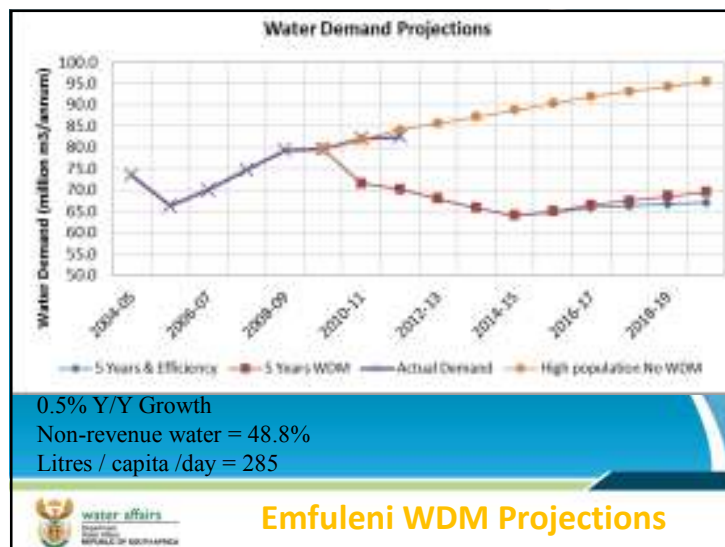
Johannesburg WDM Projection



Ekurhuleni WDM Projection

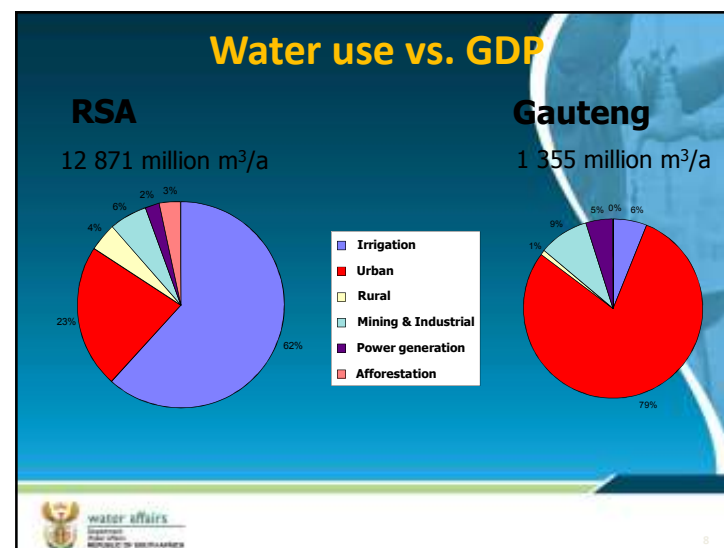


Tshwane WDM Projection



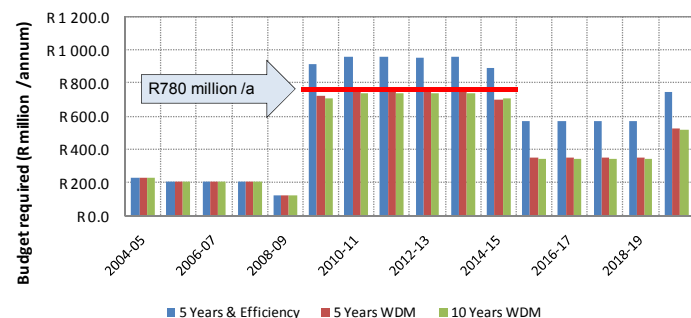
**Activities**

- Minister requested meeting with Gauteng Metros and Emfuleni – (Big 4)
- Meeting held – 5 April 2012 - DWA, Gauteng Metros and Sedibeng District Municipality – in preparation to meet Minister
- Purpose – to address the pollution in Upper Vaal and Crocodile West Marico WMA and WCWDM





## WC/WDM Budget Requirements



Current WDM funding in Gauteng **R 50 to R 100 million**  
instead of **R 780 million/a**

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## STUDIES / INVESTIGATIONS - Results

### Potential Water Savings Through WCWDM in Gauteng

- Results - Briefly:
- The potential for WCWDM across all sectors was assessed; industry, mining, agric and domestic - municipal
- It was found that the municipal sector have the highest potential for water savings / improve efficiency; (other sectors could also contribute by implementing water efficiency measures – longer term – projects currently being initiated, e.g. WCWDM target setting in the mining sector – collaboration with Chamber of Mines and Industries)
- All municipalities within Vaal River System was assessed for their potential contribution towards WCWDM, including costs.
- Rand Water usage is the largest in the Vaal River System – 41% - thereafter Vaal-Harts irrigation scheme in Lower Vaal River.
- Current focus therefore on Rand Water users – mainly municipalities at this stage.

## STUDIES / INVESTIGATIONS – Results (Continued)

### Potential Water Savings Through WCWDM in Gauteng

- Results - continued:
- There is potential for WCWDM in all municipalities – total potential saving; 200 million cubic meters per annum – equates to roughly 15% reduction in annual demand – therefore project 15%!
- Further savings possible however through the implementation of efficiency measures e.g. household appliances, retrofitting – at later stage
- The greatest potential for WCWDM lies within the 4 biggest metros/municipality – combined potential saving of about 95% of the 200 million m<sup>3</sup> – therefore current emphasis on 3 Metros (City of Johannesburg, Tshwane, Ekurhuleni) and Emfuleni Municipality

## Recommended Way Forward Big 4 – (5 April 2012)

In preparation for the meeting with Minister Water Affairs and Environmental Affairs:

- Big 4 need to indicate understanding of the seriousness of the water situation in Gauteng
- Big 4 must re-commit to the achievement of the targets
- Big 4 need to re-commit, re-prioritize municipal activities, re-prioritize budget and step up implementation of WCWDM
- Date with Minister unknown – however Vaal River Strategy Steering on 18 April 2012 – Executives should attend and present on the above – support technical managers...
- DWA - New Water Use License to Rand Water – volume already reduced – impact on economic growth and development – DWA will cut back – no economic growth - reasons will become clear
- DWA – already started ranking “good” and “bad” performers... (municipalities to explain to media actions/efforts or lack thereof... )

#### Recommended Way Forward Big 4 – (5 April 2012) (Continued)

In preparation for the meeting with Minister Water Affairs and Environmental Affairs:

- All Metros to submit action plans by week of 13 April 2012 to Mr Justice Maluleke (DWA). Consolidated Action Plans must cover, time frames, municipal funding plans, sourcing of funds, (sufficient to show impact), monitoring mechanism that must be measurable.
- (Issue - When do we need to elevate? Has issues been elevated within Metros/Municipalities?)
- Establishment of committee/forum at Executive (Metro) level that will consolidate all the plans to be submitted by the Metros, ensure that they receive the necessary funding and monitor their implementation. Metros to provide names of Executives to serve on committee/forum.
- Report to the Minister (If need be, follow up meeting before meeting with the Minister).
- SALGA must indicate the role they can play in addressing some of the problems highlighted in the meeting.



#### Way Forward

- Big 4 Action Plans should have been submitted (13 April 2012)
- Big 4 meeting with Minister – present Action Plans (including budget)
- Update Vaal River System Status - information on all municipalities - for next meeting
- Big 4 - Report on action plans – at next meeting

