



## **water & sanitation**

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA



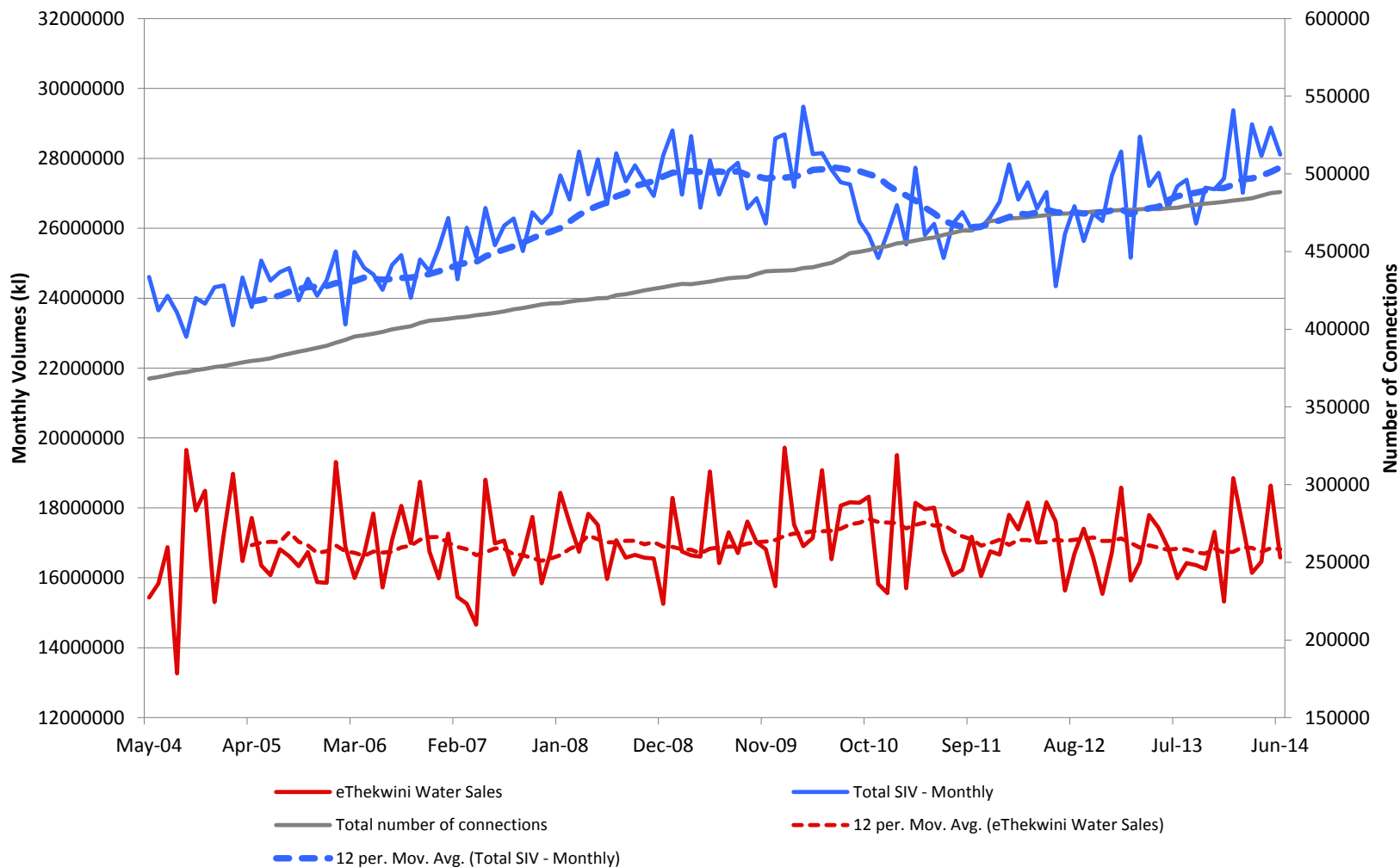
Continuation of the Reconciliation Strategy of the KZN Coastal  
Metro Areas – Phase 2

# **eThekweni Water Non-Revenue Water Update**

July 2014  
Presented by:  
Simon Scruton

# eThekweni Sales and Purchases

**eThekweni Water and Sanitation**  
**Monthly Volumes and Connections May 2004 to June 2014**



# NRW Capital Budgets

	Project Number	2014/15	2015/16	2016/17
Water loss	X3289	R 65 000 000	R 55 000 000	R 65 000 000
Reservoir and district meters	X5189	R 4 500 000	R 5 000 000	R 5 000 000
Prv Installation	X5906	R 40 000 000	R 40 000 000	R 45 000 000
Advanced Control on Prv's	X6216	R 4 500 000	R 4 500 000	R 4 500 000
Custody Transfer Meter Upgrade	X6217	R 900 000	R 1 000 000	R 1 000 000
Domestic meters - Installation	X4628	R 15 000 000	R 9 000 000	R 15 000 000
Blue Area Project (Flow limiter upgrades)	X6302	R 15 000 000	R 15 000 000	R 25 000 000
Bulk sales meters	X4254	R 5 000 000	R 5 000 000	R 31 700 000
<b>Total</b>		<b>R 149 900 000</b>	<b>R 134 500 000</b>	<b>R 192 200 000</b>
Water Meters (Material)		R 9 000 000	R 10 000 000	R 10 000 000
Replacement of Water Pipes	X4889	R 30 000 000	R 30 000 000	R 30 000 000

# Challenges

- Tampering, vandalism and theft is a growing concern as infrastructure is damaged and looted
- Age of Infrastructure
- Loss of Institutional Knowledge
- Illegal and Unmetered connections
- Budget
- Social and Political Will



# Umgeni River Bridge – The Before Picture





# Umgeni River Bridge – Tuesday 10 June 2014



# THE TARGETS...

Year	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19
Connections	477849	480833	497521	513934	530894	548387	570161
System Input Volume (kl/day)	881082	887547	897864	908532	919559	930952	942720
Billed Metered Consumption (kl/day)	552407	577000	602000	627000	653000	680000	707000
NRW %	37,3%	35,0%	33,0%	31,0%	29,0%	27,0%	25,0%

# Summary

- The EWS programme has suffered a number of setbacks of the last 3 years
- NRW is a complex challenge for us and all utilities
- **Unless improvement to social behavior is obtained targets will not be reached**
- NRW is being tackled on many fronts
- Increased capex and opex is required for interventions
- The explosion of uncontrolled development in the rural areas is a concern



# Thank you