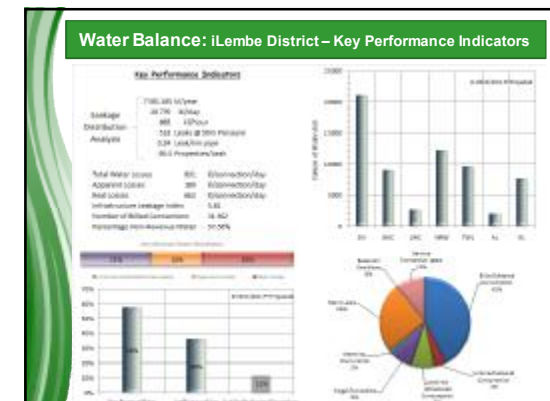
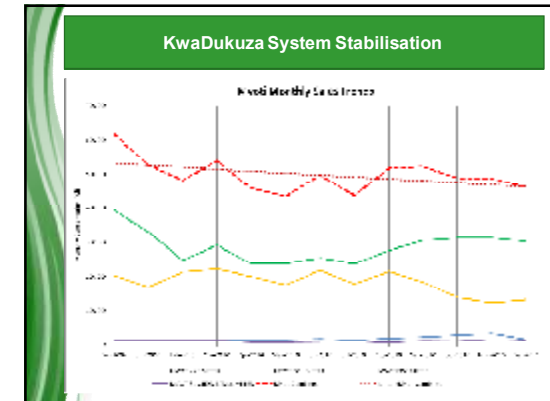
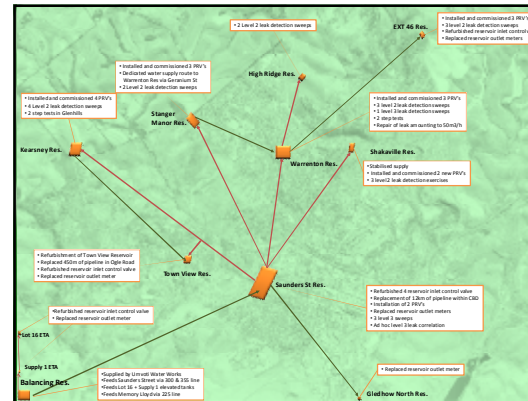
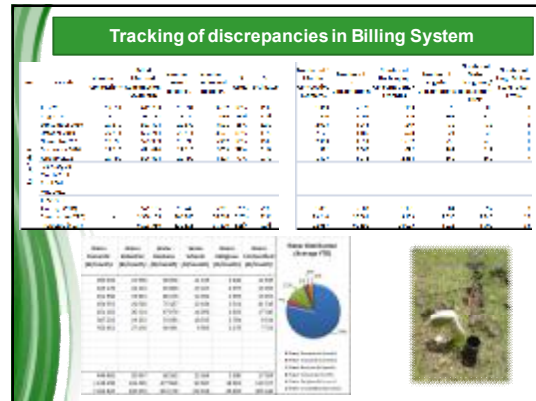


Water Balance: iLembe District – Projected 2010/2011 FY

System Input Volume		Authorised Consumption	Billed Metered Consumption	Billed Unmetered Consumption	Revenue Water
		±12.0%	±12.0%	±12.0%	±12.0%
		8 938 128	8 938 128	0	8 938 128
	±9.4%				
	11 543 021	Unbilled Authorised Consumption	Unbilled Metered Consumption	Unbilled Unmetered Consumption	Non-Revenue Water
	±6.8%	2 604 893	885 664	1 719 229	
	±8.0%				
	Water Losses	Apparent Losses	Illegal Connections		±10.7%
	±13.5%	1934 233	1 621 999		
		Watering Transducers			
		Real Losses	1 312 234		
		Reservoir Overflows	5 306 815		
		Service Connection Leaks	37 906		
			2 236 444		
	21 058 419				12 120 291

Consumptions in kL/month





- ### System Monitoring
- Monthly computation of Water Balance throughout district
 - Monthly evaluation and tracking of Billing data
 - Burst record tracking where possible
 - Permanent logging of priority areas using GSM loggers
 - Routine logging for analysis of Real Losses
 - Ad hoc reactive logging as necessary for system stabilisation / leak detection exercises
 - Compilation of Operations and Maintenance Manual
 - Capturing field/system data onto GIS (ongoing)
-

- ### Pipe Replacement Programmes
- Length of mains relaid in KwaDukuza, CBD East: 3 029m
 - Length of mains relaid in KwaDukuza, CBD Central: 9 173m
 - Length of mains relaid in KwaDukuza, Ogle Road: 450m
 - Length of mains relaid in Zinkwazi, Nkwazi Drive: 1 800m
 - Length of mains to be relaid in Mandini (due to start) : 4 400m
-

- ### Pressure Reduction Programmes
- Installation of 16 new Pressure Reducing Valves in KwaDukuza
 - These valves equate to an annual saving of R 4 228 772
 - Installation of advanced controllers enables water provision to low income zones on a demand analysis.
-

Leak Detection Programme

- Leak detection / step testing and repairs in Zinkwazi and Blythedale Beach
- Leak detection / step testing and repairs in KwaDukuza: CBD, Glenhills, Town View, Stanger Manor, Warrenton, High Ridge, Shakaville, Mbozamo, Lindelani, and New Gaulderland.
- Repair of 363 leaks in Chappies area of Sundumbili
- Leak detection and repairs in Zamani



Repairs to Reservoirs and Level Control Valves

- Replaced 9 Reservoir inlet level control valves
- Complete refurbishment of Town View Reservoir
- Repaired Leaks on Kearsney Reservoir
- Replacement of 6 Reservoir outlet flow meters



Public Awareness Programme

- Consumer awareness programme (Be Water Wise / Report Leaks)
- Distribution of educational / awareness material
- Interaction with various Ward Councillors and Schools
- Training and development of local contractors



Addressing illegal connections

- Identification of illegal connections
- Regularisation of illegal connections
- Community education and awareness