

iLembe District Municipality: 2010/11 FY

		Billed Authorised Consumption ± 12.0%	Billed Metered Consumption ± 12.0% 8 713 987	Revenue Water ± 12.0%
System Input Volume	Authorised Consumption	8 713 987		726 166
	± 9.4%			
± 8.0%	Unbilled Authorised Consumption ± 6.8%	2 618 202	Unbilled Metered Consumption ± 5.0% 890 189	Non-Revenue Water
	11 332 189		Unbilled Unmetered Consumption ± 10.0% 1 728 014	
Water Losses	Apparent Losses ± 12.5%	1 806 685	Illegal Connections ± 15.0% 1 501 695	± 10.7%
	± 13.6%		Metering Inaccuracies ± 3.5% 304 990	
20 615 786	Real Losses ± 7.2%	9 283 596	Mains Leaks ± 10.0% 3 233 838	11 901 799
			Reservoir Overflows ± 5.0% 37 385	
		7 476 911	Service Connection Leaks ± 5.0% 2 205 689	

iLembe District Municipality: Year-on-Year

Indicator	Financial Year	
	2009/2010	2010/2011
Total number of connections	26 610	30 475 ↑
Percentage Non-Revenue Water (%)	56.04%	57.73% ↑
Inefficiency of Use (%)	31.83%	36.33% ↑
Infrastructure Leakage Index	5.43	5.66 ↑
Total Water Losses per Connection (l/connection/day)	1 134	861 ↓
Average System Input Volume (kl/day)	59 507	56 482 ↓
Average Water Sales Volume (kl/day)	26 162	23 874 ↓
Real Loss Volume (kl/day)	18 942	20 485 ↑
Unbilled Authorised Consumption (kl/day)	*4 658	7 173 ↑
Total Water Losses (kl/day)	28 687	25 435 ↓
Non-Revenue Water Volume (kl/day)	33 346	32 608 ↓
Metering Inaccuracies (kl/day)	916	1 194 ↑
Illegal Consumption (kl/day)	8 829	3 756 ↓

- 2010/11 Financial Year Highlights & Lowlights**
- The number of registered connections increased by 3 865
 - Average daily bulk water production decreased by 3 025 kl
 - Average daily sales to customers decreased by 2 288 kl
 - Non-Revenue Water volumes decreased by an average of 738 kl/day however, because the System Input Volume also decreased, the proportional percentage of Non-Revenue has increased by 1.7% compared to the previous financial year.

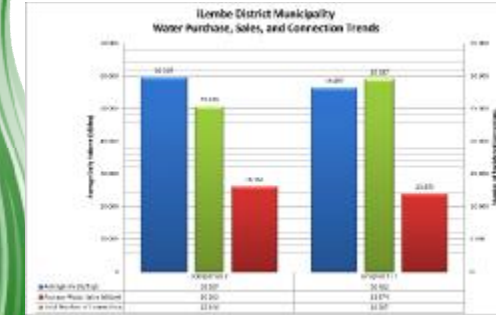
2010/11 Financial Year Highlights & Lowlights

- Unbilled Authorised Consumption increased by an average of 2 515 kl/day.
- Inefficiency of Use of Water Resources, which essentially measures the physical leak or real loss volume, deteriorated by 4,5%. This suggests that the overall rate of deterioration of pipeline infrastructure in the greater iLembe District outweighs direct savings obtained in the focus areas of KwaDukuza and Mandini through the WC/WDM Program.

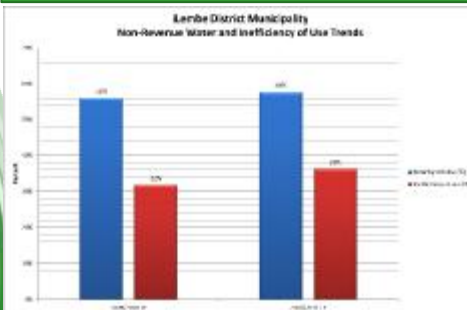
iLembe District Municipality: 2010/11 Trends



iLembe District Municipality: Year-on-Year



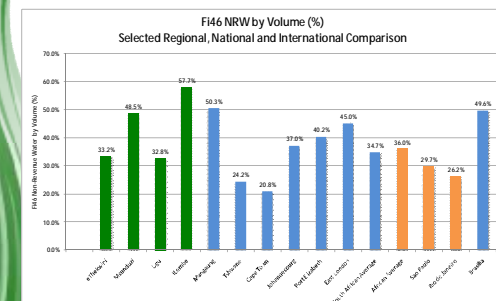
iLembe District Municipality: Year-on-Year

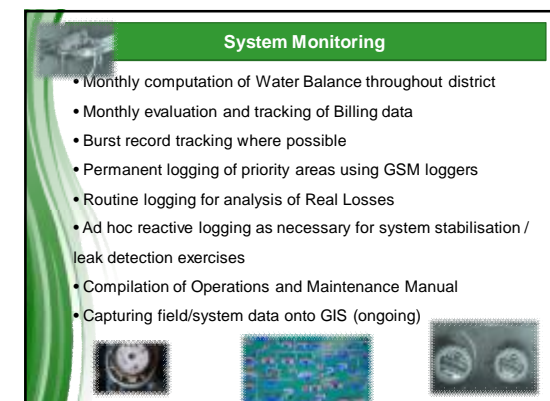
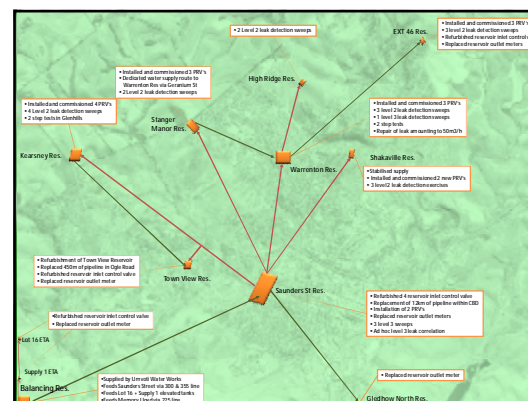
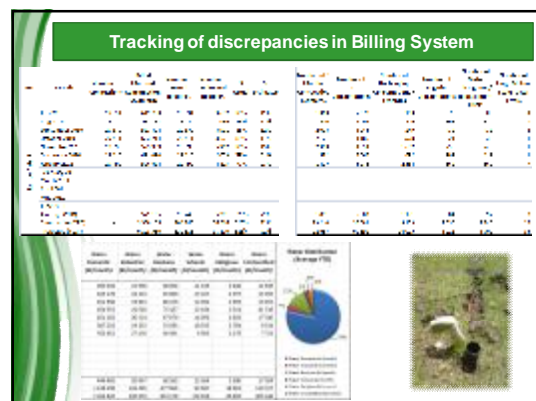
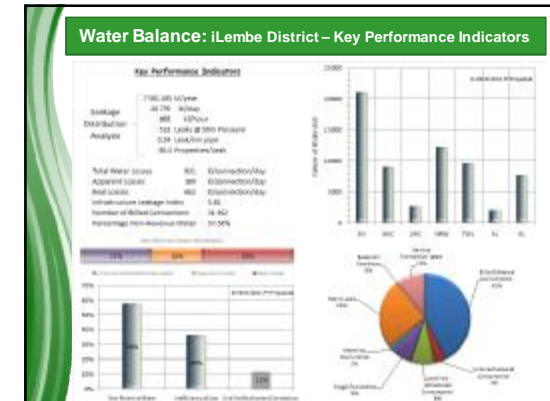
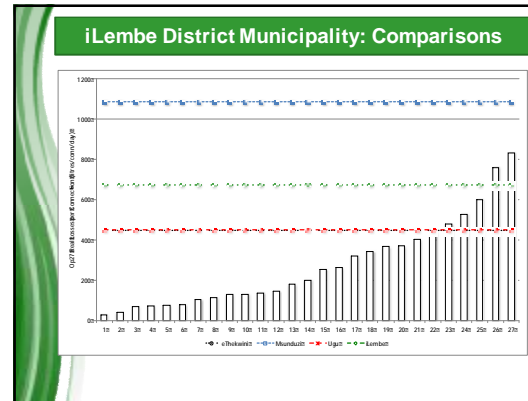
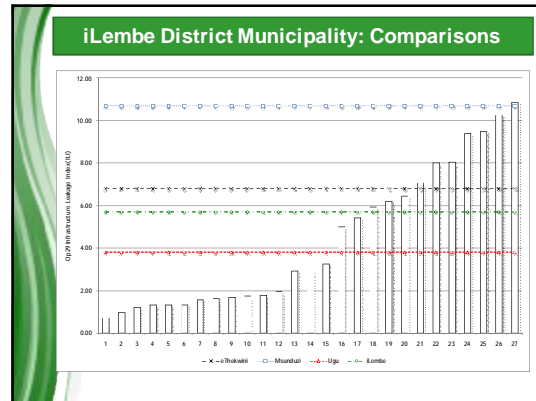


iLembe District Municipality: District Breakdown

Key Performance Indicator	KwaDukuza	Mandini	Maphumulo	Ndawedwe	iLembe
Number of registered Connections	16 479	4 932	1 217	7 849	30 475
NRW by Volume (%)	54	57	82	59	58
Total Water Losses (%)	49	46	34	37	45
Inefficiency of Use (%)	43	34	26	29	36
Unbilled Authorised Consumption (%)	6	11	48	22	13
Total Water Losses per Connection (lconn/day)	707	2 096	1 098	350	861
Real Losses per Connection (lconn/day)	620	1 550	809	273	693
Apparent Losses per Connection (lconn/day)	88	546	289	77	168
Real Losses per Length of Main (m lconn/day)	23.98	0.37	3.09	1.78	9.32

iLembe District Municipality: Comparisons





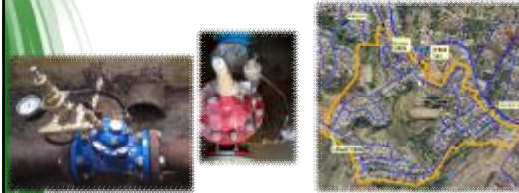
Pipe Replacement Programmes

- 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.



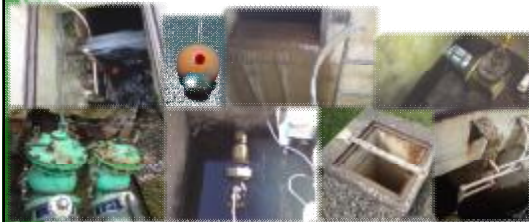
Leak Detection Programme

- 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



Addressing illegal connections

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



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



