



## **iLembe District Municipality**

**Update on WC/WDM Program–  
Performance in 2014/15 Financial Year  
and 2015/16 Financial Year Outlook**

# iLembe District Municipality

iLembe  
District Municipality



- Located 65km north of Durban
- One of the poorest Districts in KZN, yet one of the fastest growing
- Significant tourism and cultural attractions

## **iLembe District Municipality: System Characteristics**

- **Total population - 680 000**
- **total number of connections – 34 632**
- **total length of mains - 2 205km**
- **total number of water schemes – 111**
- **Currently in drought situation**

# NRW Reduction Strategy Executive Summary

	2013/14	2018/19 No Further Intervention	2018/19 with Intervention
System Input Volume (kl/day)	63 558	79 228	73 681
Billed Authorised Consumption (kl/day)	26 487	42 691	49 366
Non-Revenue Water (kl/day)	37 071	36 537	24 315
NRW by Volume %	58.3%	46.1%	33.0%
5-year Capex Requirement (ex VAT)			R308 000 000
5-year Opex Requirement (ex VAT)			R91 000 000

## 5-year Targets:

- **Infrastructure Leakage Index (ILI)** **1,4**
- **Leakage Performance Category** **A2**
- **Inefficiency of Use of Water Resources** **12,3 %**
- **Non-Revenue Water by Volume** **33,3 %**
- **No Drop Assessment Score** **90,0**

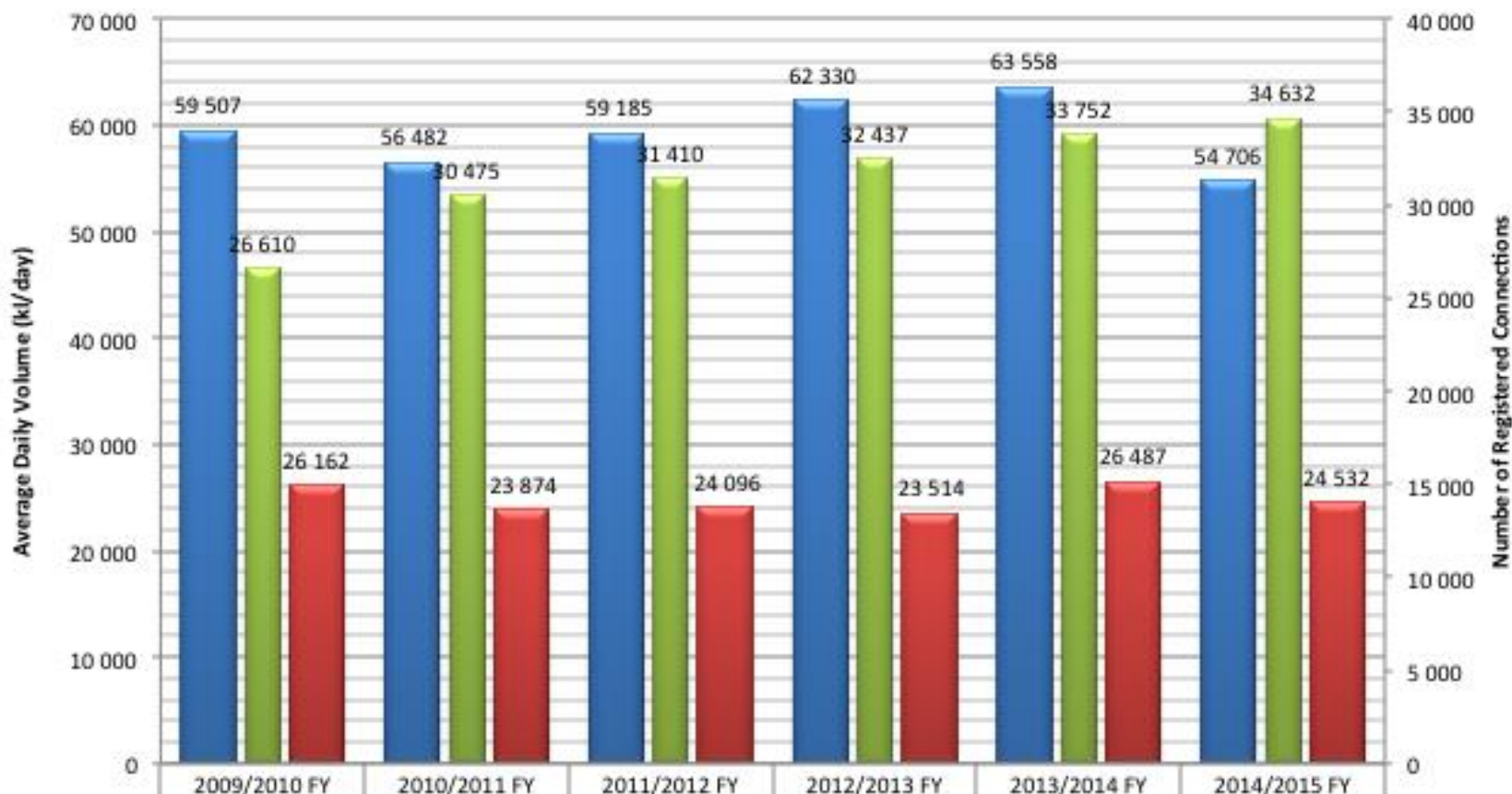
# iLembe District Municipality: Trends

**iLembe District Municipality**  
**Monthly Volumes and Connections July 2009 to June 2015**



# iLembe District Municipality: Year-on-Year

**iLembe District Municipality  
Water Purchase, Sales, and Connection Trends**

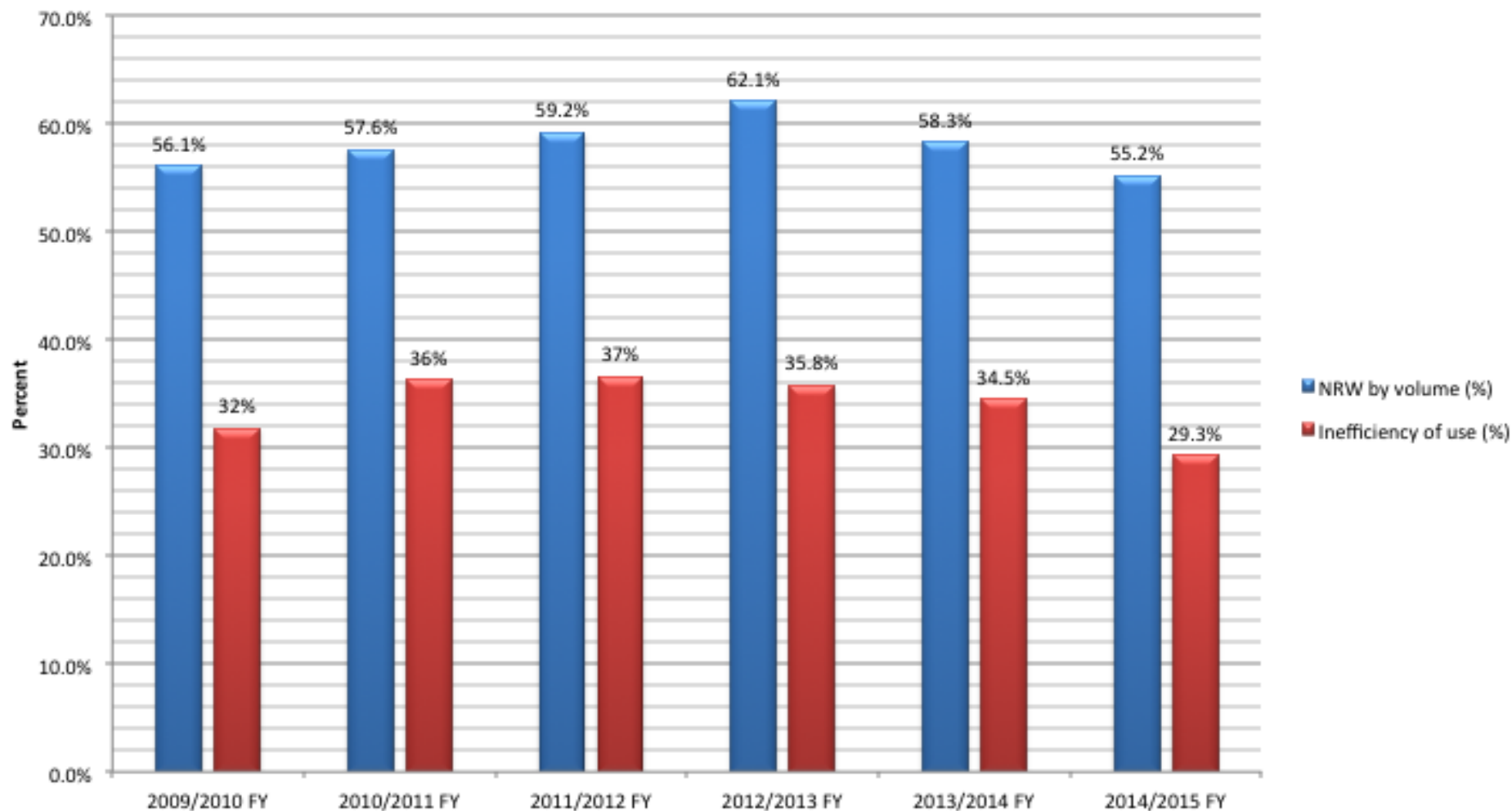


Average SIV (kl/day)	59 507	56 482	59 185	62 330	63 558	54 706
Average Water Sales (kl/day)	26 162	23 874	24 096	23 514	26 487	24 532
Total Number of Connections	26 610	30 475	31 410	32 437	33 752	34 632



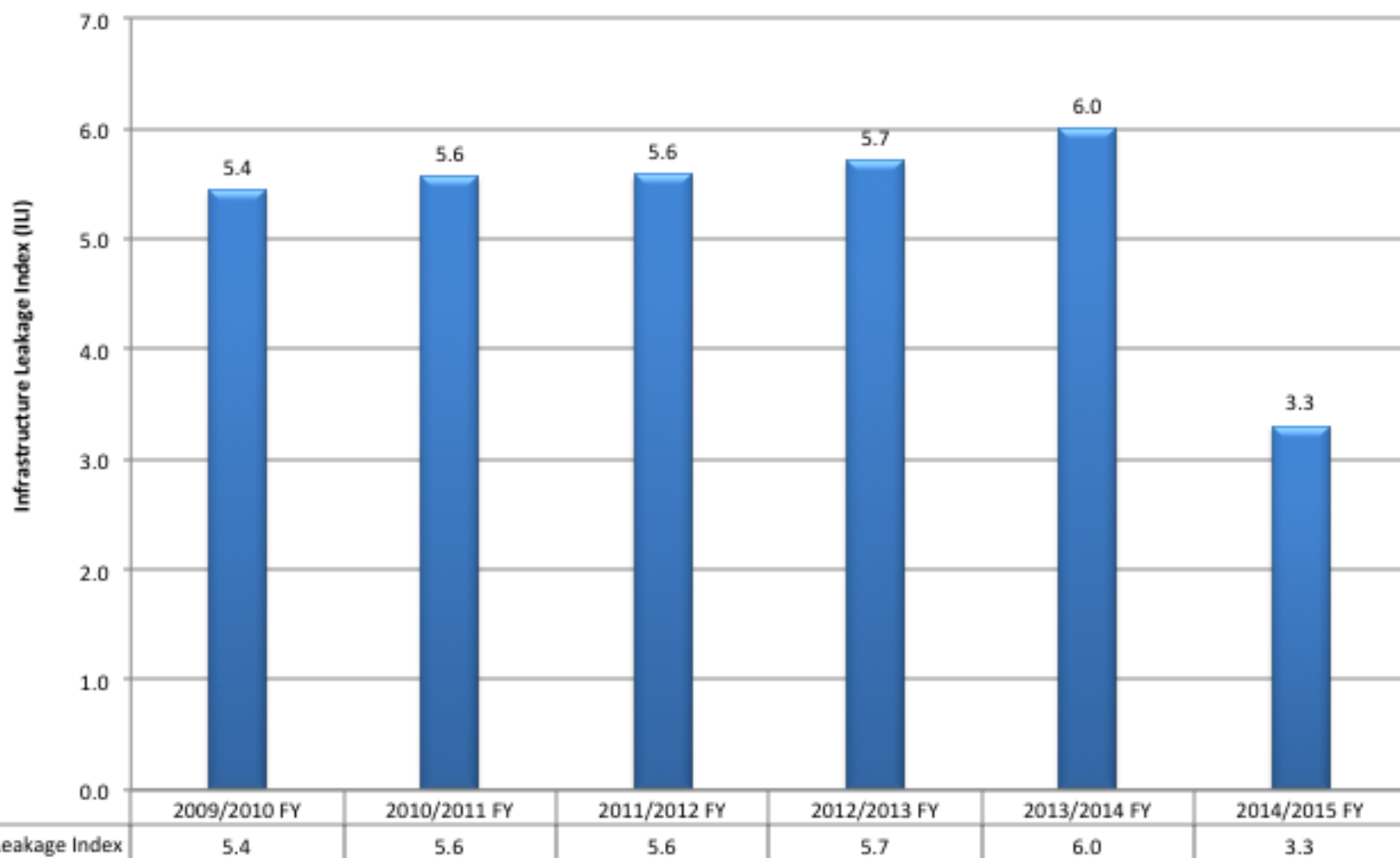
# iLembe District Municipality: Year-on-Year

**iLembe District Municipality  
Non-Revenue Water and Inefficiency of Use Trends**



# iLembe District Municipality: Year-on-Year

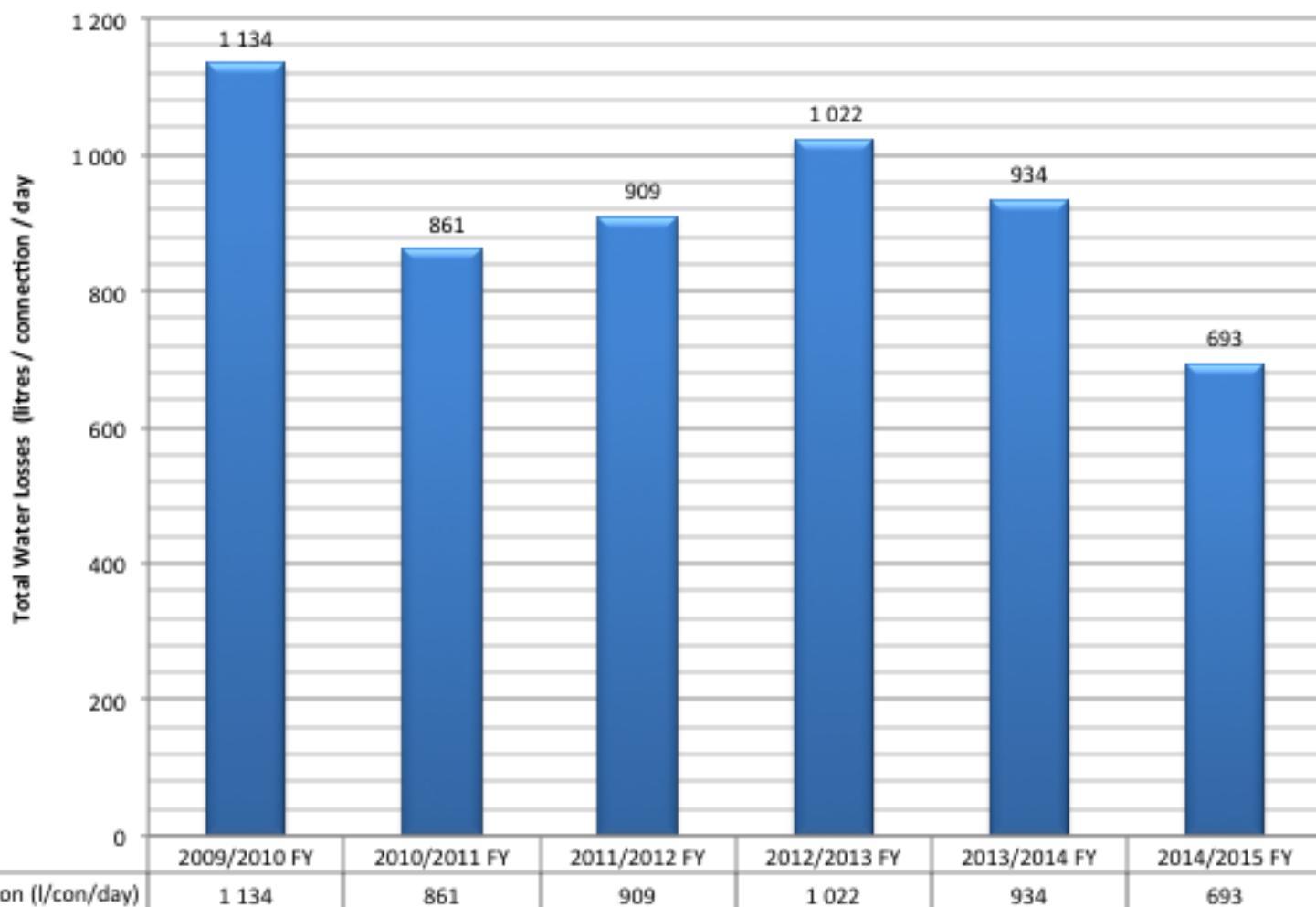
**iLembe District Municipality  
Infrastructure Leakage Index Trends**





# iLembe District Municipality: Year-on-Year

**iLembe District Municipality  
Total Water Losses per Connection**



## 2014/15 Financial Year Review

- **The impact of restrictions was felt, both from a bulk supply and consumer sales perspective**
- **Apart from that, it was a good year – it was the first year that the full benefit of mains replacement and leakage reduction activities were realised**

## 2015/16 Financial Year WC/WDM Activities

- Continuation of planned mains replacement programme in KwaDukuza (last FY 45km, this FY 34km)
- Continued pressure management in KwaDukuza and Ndwedwe
- Aggressive leak detection and repair throughout KwaDukuza and Ndwedwe
- Control valve and zone maintenance
- Private property leakage reduction in KwaDukuza
- Regularisation of reticulation in Mandini
- If funds approved, 30% demand reduction in Ndwedwe and Groutville