

ACTION PLANS & SCOPE OF WORK (RANKED)

WC/WDM is one of the most important functions performed by municipalities successful in reducing NRW. Without the proper implementation and functioning of holistic WDM initiatives attending to all aspects relating to water wastage and non-revenue generating serviced properties, and without involving all the relevant role-players such as Revenue, Finance, Operations, Planning, Communications, etc. and also without Political and Senior Management support, there will be little chance of success in lowering NRW. The following Action Plans / Initiatives / Institutional arrangements are in place / are required to reduce NRW in Ekurhuleni going forward:

Ranking	Description of Intervention
Done	A WC/WDM Steering Committee is already in place to coordinate the various interventions / initiatives
1	To improve and consolidate the Top 500 consumers meters by June 2016
2	To audit and consolidate all 560 water consumer meters in Wadeville (Germiston) by June 2015 (largest problematic industrial area in EMM).
3	To audit and replace all bulk water meters supplying water to Jo'burg Water by June 2012.
4	Pressure Management which is regarded as a quick-win initiative in selected suitable areas (medium to high pressure zones) to reduce water losses. The existing installations require to be managed strategically to ensure the proper and effective functioning of each pressure management zone.
5A	Installation of Combination Meters and Consolidation of Meters in Industrial Areas.
5B	To audit and consolidate all bulk meter consumers (approximately 24 000 properties) by June 2022/2023 – 10 year programme
6	Leak Repair Projects in Tsakane and Other Areas
7	To provide bulk meters to all 119 informal settlements by June 2014. This is required to enhance the monthly water balance and to detect & fix leaks which may develop over time.
8	Replacement / eradication of all mid-block water mains by 2016
9	Pipeline Upgrading. On-going process of replacing / upgrading very old pipelines which have served their useful lifespan, and that are frequently bursting or leaking, and which are no longer economical to maintain.

10	Cathodic Protection
11	Telemetry – Bulk Meters, Reservoirs, Water Towers including Security of Sites
12	To investigate and levy service availability charges for approximately 80 000 undeveloped properties by June 2012.
13	Ensuring that all installed meters are on the relevant billing database
14	Ensuring that all developed stands in Ekurhuleni are accurately metered
15	Unmetered Developed Stands not on billing system
16	Repair property leaks and manage consumptions for indigent consumer stands (approximately 48 038) by June 2016.
17	To relocate 19 133 meters to the outside of properties by 2015.
18	To progressively introduce the Water Conservation Management (WCM) devices throughout the EMM by 2016.
19	Installing of meters on all the unmetered low cost housing development stands (approximately 155 659) by June 2016.
20	Replacement of all aged domestic meters (approximately 112 000 currently under-reading consumptions) by 2016.
21	Determining and documenting the location of all meters (bulk with GPS co-ordinates).
22	Removal and rectification/normalizing of all Illegal and tampered connections, as well as the prosecution of offenders where applicable.