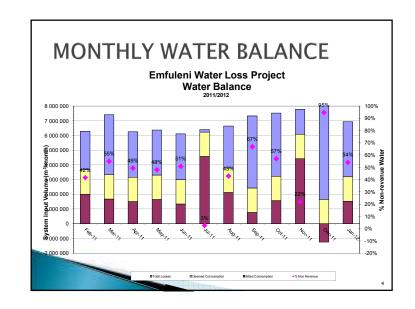
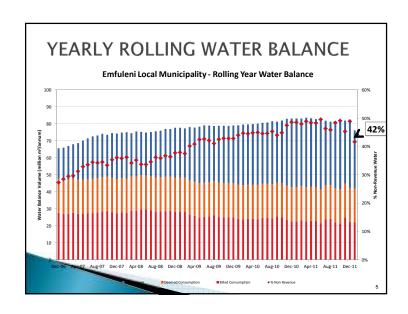
WATER DEMAND MANAGEMENT METSI-A-LEKOA 18 APRIL 2012 DWAF REGIONAL OFFICE Dawid Dirks

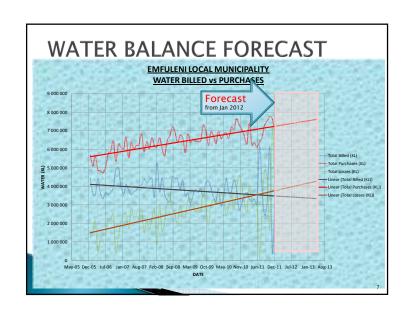


WDM/WCM PRINCIPALS

- Effective and sustainable Water Conservation and Water Demand interventions entail the implementation of a mixture of appropriate activities within four strategic pillars.
- Technical Interventions
- Economic Interventions
- Social Interventions
- · Legislative and Institutional Interventions







BILLING INFORMATION

Total properties = 166 169

▶ Billed per consumption = 39 371 (24%)

▶ Flat rate consumers 20 Kl = 83 123 (50%)

Farm portions = 1 921 (1%)

▶ Stand pipes = 16 526 (12%)

Other (no water accounts) = 19 228 (13%)

FLAT RATE CONSUMERS

- Flat rate calculated on 20 KI/household/month
- Average consumption 32 KI/household/month
- Relates to a loss of 14 % on total water purchases
- Adjusted water loss 28%

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INTERVENTIONS

- Revenue Enhancement and Collection Unit (Institutional)
- Social interventions : In-house

: WCM projects

 Review of By-laws and Tariff structures (Legislative & Economic)

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PROJECTS continue

- Retrofitting (PPP) (Phase2)
 - Sasol/Giz :
 - Kick-off meeting 11 April 2012
 - 20 000 house
 - Target 6% savings on total water purchases
 - Project seed funding R 10 Mill, re– investment R 18 Mill
 - Rand water:
 - · Await appointment of Managing Contractor
 - 1900 houses
 - Project funding R 2 Mill

PROJECTS

> Pressure Mangement

- Pressure Station Sebokeng/ Evaton (Phase 1)
- Bench mark project delivering outstanding savings with low inset costs.
- Savings SINCE 2005, = R 174 Mill,
- 9 11% of total Emfuleni consumption.
- This project indicated that 80% of night flow is measured at WWTW.

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PROJECTS continue

- Network up grades
 - Palm Springs new balk water connection:
 - R 3.4 Mill
 - Progress 50% completed
 - New supply to critical pressure point result in lowering of overall water supply pressure in Evaton.
- Sharpville and VDBP Reservoir refurbishments
 - Busy with specifications
 - Estemated cost R 2.2 Mill

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PROJECTS continue

- Refurbishment of PRV's in Vereeniging
- Rand Water appointed under existing contract
- Budget R 450,000.00
- Quaggasfontein 15 Meg water Reservoir
- 90% completed
- · Budget R 25 Mill
- Water supply to new Tshipeso housing development
- · Improve flow and pressure in network.

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PROJECTS continue

- Water Demand Management
 - Appointed 3 year WC/WDM consultant
 - Amount of meters audited = 11 600 of 80 000
 - Amount of water meters replaced to date = 286
 - · Focus on flat rate areas.

- 1

PROJECTS continue

Special Projects

- Smart Metering
- Deloitte appointed to streamline billing process
- Technology available investigated (Integrated system water, sanitation and electricity)
- · Busy with business plan finalization
- · Tenders advertised for pilot project

EPWP

 Funds allocated for EPWP program, water meter cleaning. Work force appointed and await PPE for project to kick off. Budget R 1 Mill.

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THANK YOU

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