the WATER SITUATION in ETHEKWINI MUNICIPALITY

Drought mitigation measures

CHALLENGES

Challenges to ensuring consistent water supply in drought situations

Topography constraints: Areas are hilly and often inaccessible

Project planning: Interventions need to be planned for in advance

Illegal water connections: Results in loss of revenue and impacts on long term planning

Leaks and aging infrastructure: Requires constant maintenance

SOLUTIONS

Solutions being implemented to mitigate the drought

Water restrictions: Installation of flow limiters

Alternate water supply: Water tankers and water sachets

Promotion of water conservation: Awareness campaigns in media and with utility bill

Water shedding: Water supply will be restricted for certain periods of time during the night

Remix: The combination of desalinated seawater and treated effluent from a wastewater treatment plant using membrane bioreactor technology

Reuse: Treatment of treated wastewater effluent for reuse in industrial processes

Desalination: Removal of salt from sea water by membrane and thermal technology to produce potable water

Water conservation measures-

what can you do at home?

Rain water harvesting

Take a 5 minute shower, not bath

No watering gardens/ washing cars with hosepipes & no filling of swimming pools

Collection and reuse of grey water (where possible)

Lessons learned from drought management : Manage water consumption · Save water

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