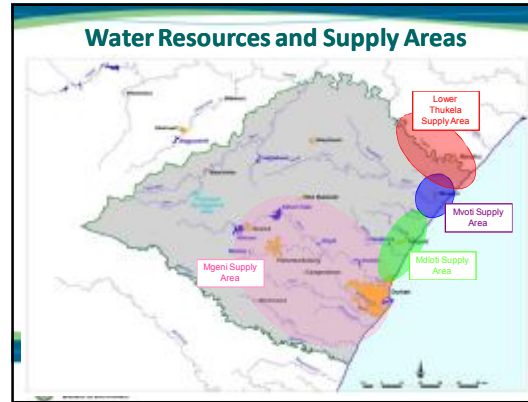


Implementation and Maintenance of the Water Reconciliation Strategy for the KwaZulu-Natal Coastal Metropolitan Areas

BACKGROUND TO STUDY AND A SUMMARY OF THE RECONCILIATION STRATEGY

Niel van Wyk



Importance of the KZN Metropolitan Area

- Third largest contributor to the national economy.
- Second largest population concentration in the SA.
- It is the economic hub of KwaZulu-Natal and is very important for the economic well being of the province.
- The area is experiencing rapid growth in water demand because of the influx of people from the rural areas and economic growth.

Complex issues

- Dynamic area with huge growth in requirements
- Complex infrastructure system
- Efficient use of scarce resource important
- DWA need to ensure there will be enough water for this important area

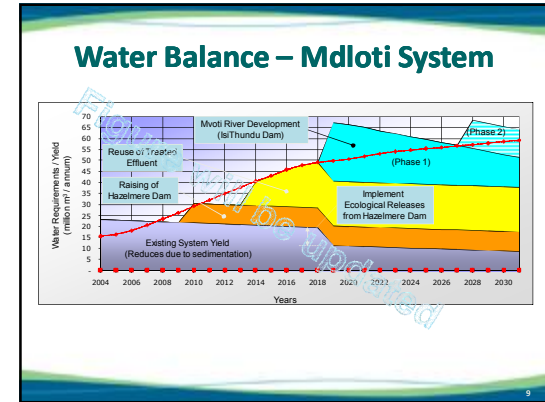
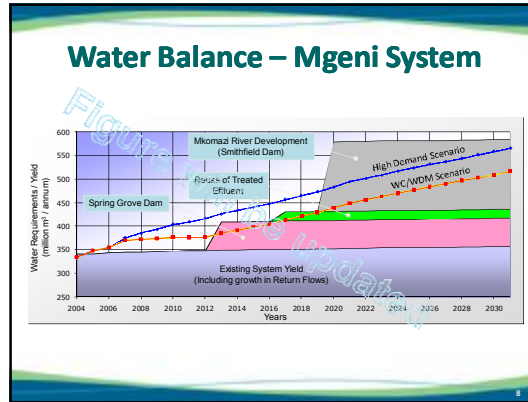
Background

- Following on NWRS, ISPs (Internal Strategic Perspectives) were developed
- Reconciliation Strategies for all metropolitan areas – KZN completed in 2009
- Essential for coordinated implementation of the strategy action among institutions
- Strategy Steering Committee with technical support to oversee implementation

Stakeholder Engagement

- DWA has engaged with many stakeholders at different forums and through various avenues to receive inputs, concerns and issues regarding the strategy
- Study Steering Committee of key stakeholders
- Reports available on DWA web site

Why do we need maintenance of the strategy?



Water Resource Reconciliation Strategy Recommendations

Strategy Actions (1 of 4)

Action	Responsibility
PRIORITY INFRASTRUCTURE PROJECTS	
MMTS 2 - Spring Grove Dam and transfer system	National Water Resource Infrastructure Branch & TCTA
Raising of Hazelmere Dam	National Water Resource Infrastructure Branch
North Coast Pipeline	Umgeni Water

Strategy Actions (2 of 4)

Action	Responsibility
PRIORITY FEASIBILITY STUDIES	
Feasibility Study of the Mkomazi River Transfer Scheme.	DWA Directorate: Option Analysis
Feasibility study of the Thukela and Mvoti systems	DWA Directorate: Option Analysis/ Umgeni Water
Feasibility study for water re-use options	Ethekewini Metro
Feasibility study for desalination of sea water	DWA, Ethekewini Metro

Crocodile West River System SSC – 29 July 2010

Strategy Actions (3 of 4)

Action	Responsibility
WATER USE EFFICIENCY	
Implement further Water Conservation and Water Demand Management measures	Ethekwini, Ilembe, Ugu, Umgungundlovu Municipalities & DWA Directorate: Water Use Efficiency.
Rain water harvesting	Ethekwini, DWA Directorate: Water Use Efficiency

Strategy Actions (4 of 4)

Action	Responsibility
INSTITUTIONAL ARRANGEMENTS	
Constitute the System Operation Management Forum	DWA KZN Regional Office
Convert the SSC into a Strategy Steering Committee	DWA Directorate: National Water Resource Planning
Establish a forum to share WC/WDM experiences	Umgeni Water to coordinate
Embark on a media campaign to support the recommendation and actions	DWA KZN Regional Office and municipalities

Approval process

- Study Steering Committee
- Public meetings
- Top Management of DWA
- Minister ????
- Cabinet ?????

Maintenance Study: Planned Activities



Summary

- We have solutions
- Implementation will be crucial – programmes very tight
- Programme has flexibility
 - Do not commit large capital before absolutely necessary
 - Flexible enough to cover for Reserve implementation
 - Flexible enough to cover for impact of climate change
 - Monitor and adjust

Thank you