

Reclamation and Re-use of Treated Sewage Effluent for Potable Use



Status Quo

- ▶ Feasibility study completed : Sept 2010
- ▶ Recommendation
 - ▶ Re-use plants situated at Northern (51 MI/day) and Kwa Mashu (64 MI/day) WWTW
 - ▶ Direct discharge to potable water network
- ▶ EIA will raise public profile
- ▶ October 2010 - DWA require Reserve on Mgeni estuary before committing to scheme
- ▶ January 2011 - proposal / quote issued by Marine and Estuarine Research

Way Ahead – Best Case

- ▶ March 2011
 - ▶ MER appointed. No outstanding data required for Reserve
- ▶ June 2011
 - ▶ Results of technical workshops submitted to DWA
- ▶ July 2011
 - ▶ DWA decision
- ▶ July to April 2012
 - ▶ EIA process and approval
- ▶ May to Dec 2012
 - ▶ Tender / adjudication
- ▶ Jan 2013 to Dec 2013
 - ▶ Negotiation / award / financing / contractor on site
- ▶ Jan 2014 to Dec 2015
 - ▶ Construction
- ▶ Early 2016
 - ▶ Commission

Discussion Points

- ▶ Mgeni estuary : limit of acceptable change
- ▶ Effective life of re-use plant 2016 to 2024

Water Balance – Mgeni System

