

## EAST COAST SEAWATER DESALINATION PLANTS



10 March 2011

Strategy Steering Committee – Meeting 2

Implementation and Maintenance of the Water Reconciliation Strategy for the KZN Metropolitan Areas

## Progress to date

- Pre-Feasibility report completed in May 2009
- Workshop held with Australian experts in February 2010
- Initial screening of identified sites done in-house in July 2010
- Workshops in July/August 2010 of potential sites with stakeholders
- Currently finalising site selection in progress (March 2011)

## Discussion

- Decision to split linkages to bulk supply network
  - Southern linkage into the southern eThekweni/northern Ugu region
  - Northern linkage into the northern eThekweni region
- Decision to reduce SWRO plant size to match existing/planned bulk infrastructure capacities → each plant ~ 150 ML/day maximum
- Study area = Scottburgh to Tongaat
- 6 southern sites initially identified → 2 sites still in contention
- 5 northern sites initially identified → 2 sites still in contention

## Way forward

- Complete the site selection process (Mar 2011)
  - One southern site
  - One northern site
- Appointment of GHD (Australia) as advisors (Mar 2011)
- Compile Terms of Reference & appoint consultants (Jul 2011 – Mar 2013) to undertake:
  - Feasibility study/preliminary design of inlet and outlet works
  - Feasibility study/preliminary design of linkage to bulk supply network
  - Environmental impact assessments
  - Desalination plant costs and contractual requirements
  - Energy requirements
- Decision time!