REPORT TO THE RECONCILIATION STRATEGY STEERING COMMITTEE



Subject: A Progress Report on the City of Cape Town Studies to the

Reconciliation Strategy Steering Committee

Report by: P Rhode

Water and Sanitation Department, City of Cape Town

Date: 24 February 2010

1. Introduction

This is a report to the Reconciliation Strategy Steering Committee on the progress of the City of Cape Town studies to be conducted as recommended by the Reconciliation Strategy. This report excludes the implementation of the City's Water Demand Management Strategy, as this will be given separately.

2. Progress of Studies to be Conducted by the City of Cape Town

2.1 Water Re-use Feasibility Study

The City is in the process of resolving legal issues pertaining to proceeding with the Water Re-use Feasibility Study.

Subsequent to resolving this, the Water and Sanitation Department will report to the City's Utility Services and Mayoral Committees to obtain a resolution to proceed with a Water Re-use Feasibility Study.

Water Re-use Study	YEARS																		
	1		2	3	4	5		6	7		8	9		10	- 1	11	 12	2	13
	2009		2010	2011	2012	2013	0044	2014	2015	2046	20.10	2017		2018		2019	2020		2021
TOR / Appoint Consultant																			
Pre-feasibility																			
Feasibility																			
Feasibility Study/ EIA																			
DWAF Reserve determination																			
Construction/Implementation																			
Lag time (approvals and budget delay)																			
TOR / Appoint Consultant																			
DWAF licensing process (Reserve)																			
DEA&DP approval process																			
Design																			
Tender preparation & award																			
Construct																			

2.2 Cape Flats and Newlands Aquifer

The City will commence with this study in its 2010/11 financial year.

2.3 Table Mountain Group Aquifer Feasibility Study and Pilot Plant

Drilling of approximately 3 000m of diamond core exploratory boreholes was completed in September 2009. Geophysical logging of the boreholes and analysis of core samples recovered has also been completed.

The Exploratory Phase of the Feasibility Study is currently being completed, involving the analysis of information collected to date and formulating a recommended approach for proceeding with the Pilot Phase of the project.

The three year contract for the implementation of the broader environmental and geohydrological monitoring protocol is also nearing completion. The protocol will be reviewed and amended where necessary prior to commencing the next monitoring contract.

As it is anticipated that the Exploratory Phase will be completed by mid-2010, it is proposed that a detailed presentation on the progress of the TMG Feasibility Study be given to the Steering Committee at its meeting in September 2010.

TMG Aquifer Feasibility Study																						
	1	2	2	3	4		5		6	7		8		9		10)	11	1	12		13
	2009	2010	2010	2011	2012	,	2013	2044	40.14	2015		2016		2017		2018		2019		2020		2021
Exploratory Phase																						
CCT Decision																						
Pilot Phase and EIA																						
Monitoring of Pilot Wellfield																						
Feasibility																						
Lag time (approvals and budget delay)																						
TOR / Appoint Consultant																						
Feasibility Study/ EIA/design																						
DWAF Reserve determination																						
DEA&DP approval process																						
Construction/Implementation																						
Tender preparation & award																						
Construct																						

2.4 Lourens River Diversion

The City will commence this study in its 2010/11 financial year.

2.5 Desalination Feasibility Study

The change in scope from implementing a pilot plant to a feasibility study of a large scale desalination scheme requires a change in the current Mayoral

Committee resolution for proceeding with this study. The Water and Sanitation Department is in the process of reporting this to the City's Utility Services and Mayoral Committees.

Subsequent to receiving this resolution, the City will proceed with the feasibility study.

The City is also pursuing obtaining existing and historical sea water quality monitoring data from other institutions to try to have as much background information for the study as possible.

Desalination Feasibility Study	YEARS																			
	1		2		3	4	1	5	6	3	7		8	9		10)	11	1	2
	2010		2011		2012	2013		2014	2015		2016	0000	707	2018		2019		2020		2021
Pre-feasibility																				
TOR / Appoint Consultant																				
Pre-feasibility																				
Feasibility																				
Lag time (approvals and budget delay)																				
TOR / Appoint Consultant																				
Feasibility Study/ EIA																				
Construction/Implementation																				
Lag time (approvals and budget delay)																				
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DEA&DP approval process																				
Design																				
Tender preparation & award																				
Construct																				