

Western Cape Water Supply System Reconciliation Strategy Continuation

Administrative and Technical Support Group
Meeting #3 – 4 February 2014


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Agenda

- Cape Flats Aquifer Situation Assessment
- Progress with studies – City of Cape Town
- Progress with studies – DWA
- Communication
 - Status Report
 - Media Release
 - Terms of Reference for SSC


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Recommendations

- Annual Status Report 2013
 - Berg River-Voëlmei (Phase 1) Augmentation – commence EIA process in 2013
 - Michell’s Pass Diversion Scheme – DWA to commence Breede WAAS in 2014 to confirm water availability
 - Raising of Steenbras Lower Dam – DWA/CCT to commence with feasibility study
 - Langebaan Road Aquifer Artificial Recharge Scheme – DWA to commence with second feasibility study and pilot project in 2013
 - Table Mountain Group Aquifer (TMG) development – CCT to take decision on how to proceed with the Pilot Phase of the project before end of 2013 and commence work early in 2014,


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Recommendations

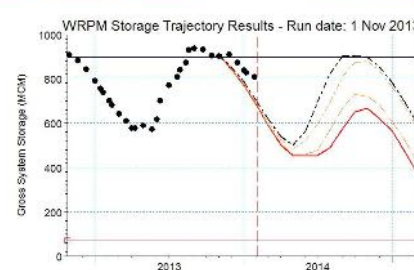
- Annual Status Report 2013
 - Cape Flats and Newlands Aquifer development – CCT to start feasibility study in 2014, depending upon the findings of the situation assessment
 - Lourens River Diversion – CCT to start tender process for appointing a PSP in 2013; study to commence in 2014.
 - Water Re-use – CCT to award tender and appoint consultants for feasibility study before end of 2013
 - Desalination of seawater – CCT to conclude feasibility study early in 2014
 - Clearing of invasive alien vegetation - on-going and extent could be increased.

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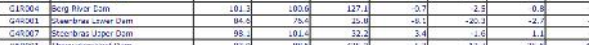
Current Status

WRPM Storage Trajectory Results - Run date: 1 Nov 2013




Res ID	Reservoir Name	Gross % FSC Start (1 Jan)	Gross % FSC End (1 Feb)	Gross Storage End (1 Feb) (MCM)	Gross % FSC Change (2 Mo)	Month (Jan)	Year (1 Nov 2013)	Month (Jan)	Year (1 Nov 2013)	Gross Volume Change (MCM)
CLR001	Voëlmei Dam	88.8	82.8	127.0	-6.9	Jan	2013	Jan	2013	27.0
CLR002	Wanmerstroom Dam	90.1	84.6	46.5	-5.5	Jan	2013	Jan	2013	-6.4
CLR004	Boeg River Dam	101.3	100.0	127.1	-1.3	Jan	2013	Jan	2013	3.2
GR001	Steenbras Lower Dam	84.6	78.4	25.8	-6.2	Jan	2013	Jan	2013	-6.8
CLR007	Steenbras Upper Dam	88.1	80.4	22.2	-7.7	Jan	2013	Jan	2013	0.5
FR001	Thoumousterdam Dam	91.3	85.6	42.2	-5.7	Jan	2013	Jan	2013	-11.2
TOTAL	TOTAL SYSTEM STORAGE	93.0	85.0	797.3	-8.0	Jan	2013	Jan	2013	100.3

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Cape Flats Aquifer

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Progress – City of Cape Town

- Water re-use feasibility study
- Desalination feasibility study
- TMG Aquifer Feasibility Study and Pilot Project
- Lourens River Dam feasibility study
- CCT WC/WDM measures
- Developments and water requirement

Progress – DWA

- Surface water feasibility study
 - Berg River Voëlvei Augmentation
 - Michell's Pass diversion
- Langebaan Road Aquifer Artificial Recharge scheme
- Berg River Water Quality Task Team
- Others

Project Management

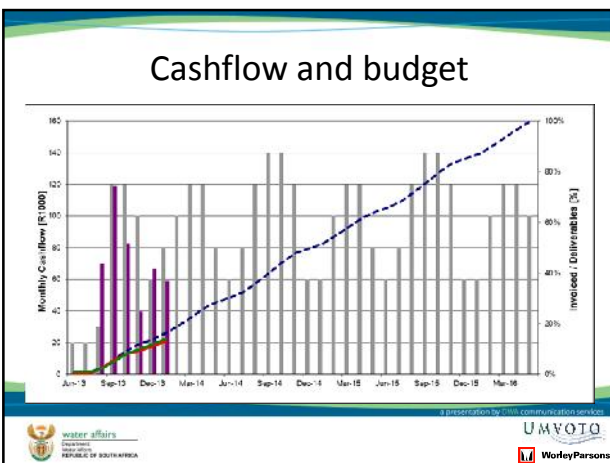
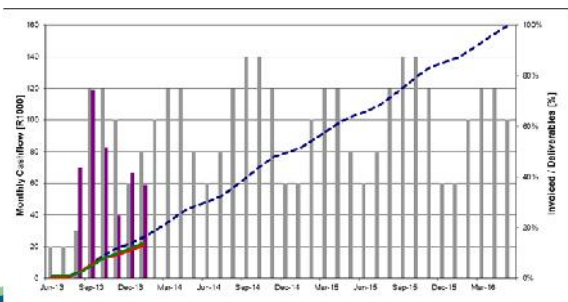


Project Schedule

- Strategy Steering Committee Meeting
 - 9 April 2014
 - Early October 2014
- ATSG Meeting
 - Early May 2014
 - End August 2014
- Status Report
 - Draft September 2014



Cashflow and budget



HDI Participation

- Total project expenditure: R436 307
 - (incl. VAT and disbursements)
- Total prof fees spent: R379 125
 - HDI prof fees: R150 700 (39.8%)
 - Non-HDI prof fees: R228 425 (60.2%)

